



March 12

*DuPont Refinish Colour Info*

# ***ColorNet<sup>®</sup> Pro Manual***

***Manual***

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## **ColorNet<sup>®</sup> Pro**

**ColorNet<sup>®</sup> Pro** is a Windows based colour retrieval program. It provides fast access to all the colour data you are likely to need.

When installing ColorNet<sup>®</sup> Pro on a PC, the following features can be installed:

- multiple search paths to the formula that will match best the colour you search,
- find the formula for ancillary products (primers, clears...) according to the TDS specifications,
- create and maintain a database with your personal formulae,
- view formulae in any volume or weight and make a print out on paper or label,
- electronic communication between PC and scale,
- formulae can be recalculated in case of over pour,
- search via ChromaVision<sup>®</sup> spectrophotometer,
- label printer,
- price manager,
- reports,
- user management,
- connection to an EcoMix terminal in connection with a scale,
- stock management.

Database and software are updated regularly to keep you informed with up to the minute Vehicle Refinish Industry colour information changes and developments.

Before installing the program, please check if the minimum system requirements are fulfilled.

#### Minimum hardware requirements

For the connection of 1 Scale, Label Printer, Spectrophotometer

Minimum Hardware	Recommended Hardware
PC with 1,6 GHz	PC with 1,6 GHz
1 GB RAM	2 GB RAM
4 GB Hard Disk	8 GB Hard Disk
CD ROM Reader	DVD Reader
2 serial ports	2 serial ports
USB ports	USB ports
1 parallel port for report printer	1 parallel port for report printer
Minimum Operating System	Recommended Operating System
Windows XP	Windows XP SP2, Windows 7

**Note:** total number of COM ports & USB ports should allow:

1 Scale, 1 Label Printer, 1 Spectrophotometer

(+ other hardware from the PC that require USB or COM ports)

For the connection of 1 or 2 EcoMix instruments foresee the appropriate number of ports.

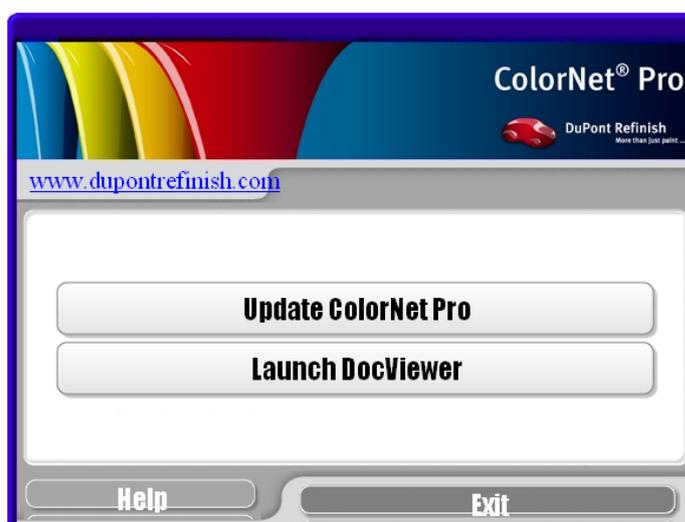
Checking the free hard disc space for Windows XP

Doubleclick on "My Computer" -> right click on the C-drive icon -> left click on "properties" -> free space is listed.

## 1 Installation of ColorNet® Pro.

Close all other applications. After having inserted the CD into the CD drive the first page will open automatically ("Autorun").

- Install: click here to start the installation of the software;
- Install DocViewer: click here to start the installation of DocViewer;
- Help: hints on installation
- Exit: you can leave the program by clicking this button.

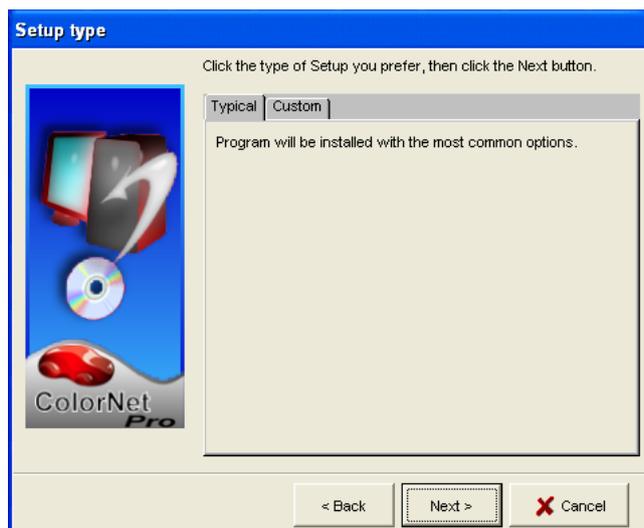


### 1.1 Installation of the colour retrieval program.

- Click "Install/Update ColorNet® Pro" to start the setup.
  - Choose the installation language, click "Next".
  - Agree to the license agreement, click "Accept".
- Follow the instructions.



In the Setup screen you have the choice between "Typical" and "Advanced". If you select "Typical", these items will be installed:



- Search
- Scale
- Personal Database
- Ancillary Products
- Volume Suggestion

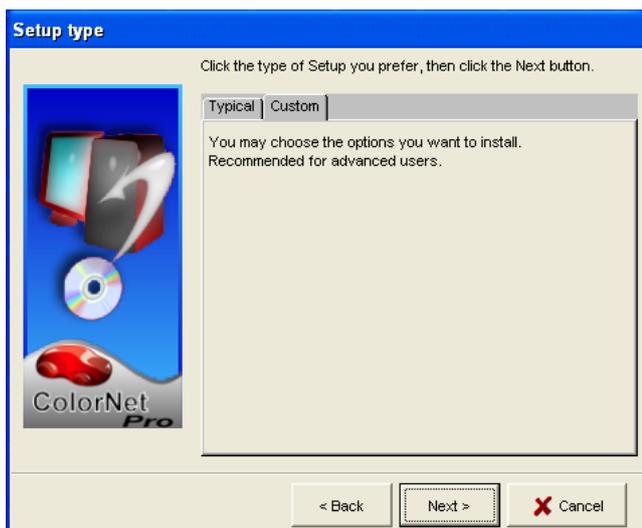
Installation takes a few minutes.



Launch the program by double clicking the ColorNet® Pro – Icon that is placed on your desktop.

## **1.2 Installation of the colour retrieval program incl. modules.**

- Installation of the colour retrieval program (above).
  - In the Setup Type screen select the “Advanced” tab
  - You will be prompted for a password.
  - Type “INSTALLOPTIONS”.
- If – instead of a scale – you are working with EcoMix, check it here.



Following items will be installed per default

- Colour retrieval program
- Price
- Reports
- Usermanagement

You have the option to install

- ChromaVision®
- Labelprinter
- EcoMix (if you are not working with a normal scale)

NOTE: When installing EcoMix terminal and/or price management, user management is installed automatically.

### **1.3 Installation of EcoMix**

When activating the checkbox "EcoMix", the EcoMix software will be installed. You will not have direct access to a scale. Scales(s) can be accessed via the EcoMix terminal.

### **1.4 Installation of Stock Management**

With a calculated password (instead of "instaloptions") you have the possibility to install the stock management module on top of all other modules.

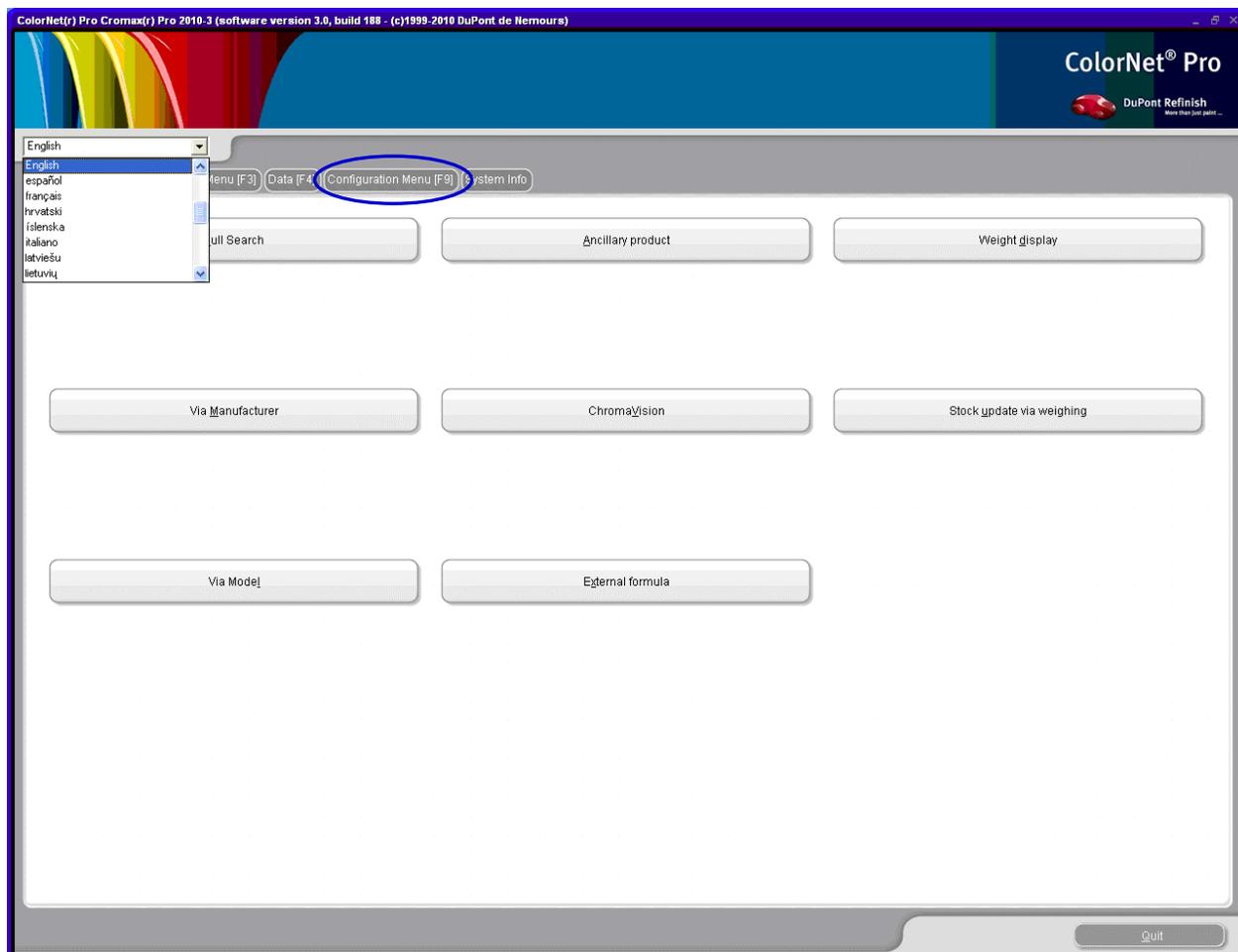
### **1.5 Installation of DocViewer.**

Insert the SDS/TDS-CD, start the installation, follow the instructions.

## 2 Configuration Menu [F9]

Open ColorNet® Pro by double clicking the icon on your screen.

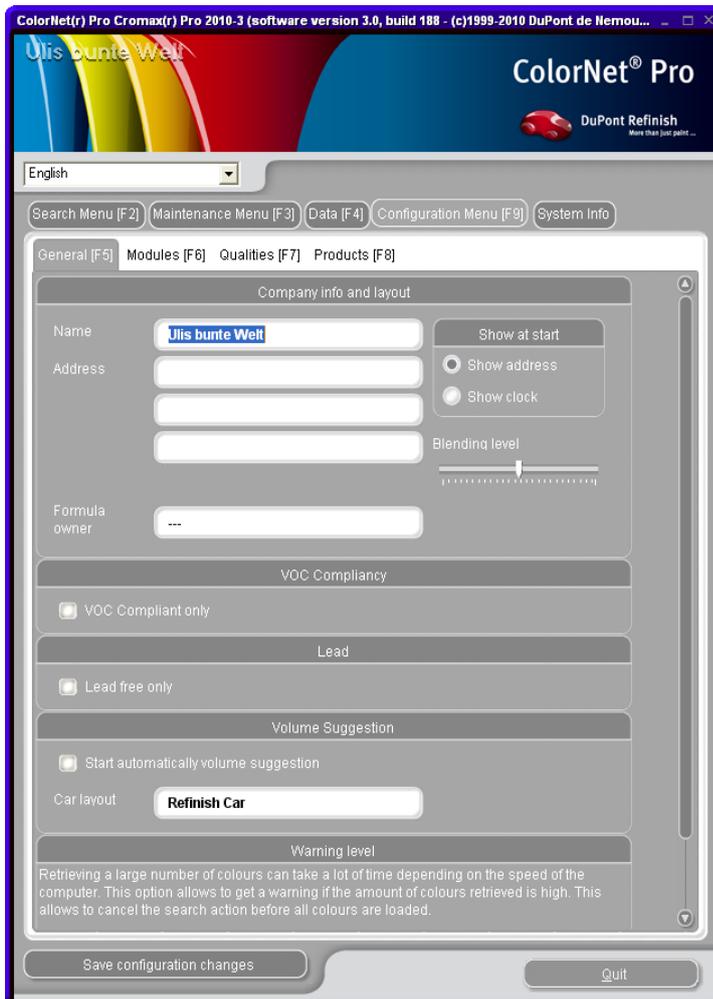
- Choose your language from the list (top left).



- Select the tab “Configuration Menu” or press the F9 function key.

NOTE 1: The first time you launch ColorNet® Pro, the buttons for these additional features are greyed out, you cannot use them immediately. You first need to configure the connection via the configuration settings. So after installation first go to the Configuration Menu.

## 2.1 General [F5]



### 2.1.1 Company info and layout

Your company name and address will be displayed on the main screen and is also printed on formula print outs. By shifting the “blending level” arrow the brightness of the display is influenced (watch the upper left corner of your screen).

### 2.1.2 VOC Complyancy.

When working with VOC compliant products only it is recommended to check this box: all non-VOC compliant paint qualities and products will be deactivated (tints are activated / deactivated with their qualities, they are not listed seperately in the product list – except a tint is used like an ancillary and has a productmix independent of the one of the quality).

When working with VOC compliant and non-compliant qualities / products, leave this check box empty and do the deactivation via Qualities [F7], p. 35 and / or Product Visibility, p. 36.

Qualities / products that are non-VOC compliant by themselves will be active anyway, if there is at least one productmix (ancillaries / ready for use) combination that is VOC compliant. This VOC selection has influence on the display in the following modules:

- Search
- Ancillary products
- Price Management
- Personal Database
- Stock Management
- Stock update from scale,

unless forced by pressing the button “Show all” in the respective screens.

S. a. Product Visibility, p. 36 and Qualities [F7], p. 35.

### **2.1.3 Lead free only.**

When working with lead free products only it is recommended to check this box: all lead containing qualities and products will be deactivated (tints are activated / deactivated with their qualities, they are not listed separately in the product).

When working with lead free and lead containing qualities / products, leave this check box empty and do the deactivation via Qualities [F7], p. 35 and / or Product Visibility, p. 36.

This lead free only selection has influence on the display in the following modules:

- Search
- Ancillary products
- Price Management
- Personal Database
- Stock Management
- Stock update from scale,

unless forced by pressing the button "Show all" in the respective screens.

S. a. Product Visibility, p. 36 and Qualities [F7], p. 35.

### **2.1.4 Volume Suggestion**

Activate the volume suggestion function to make it pop up every time you enter a formula screen. It gives you a hint on the required amount of paint necessary for a certain car part.

If this checkbox is empty the volume suggestion does not pop up but can be asked in the formula screen by pressing the button there.

### **2.1.5 Warning Level**

- Define the warning level (scroll down to see the entire paragraph).
- Some search inquiries result in so many datasets that it may take a very long time before the full list is displayed.
- On a recent, powerful PC this is an acceptable waiting time so you might select "Never". On older PC's if you prefer to get a warning (so that you first can try another search path), then select "High".

## 2.2 Modules [F6]

Configure the connections and options for the devices connected to your PC (scale/EcoMix, label printer and ChromaVision®).

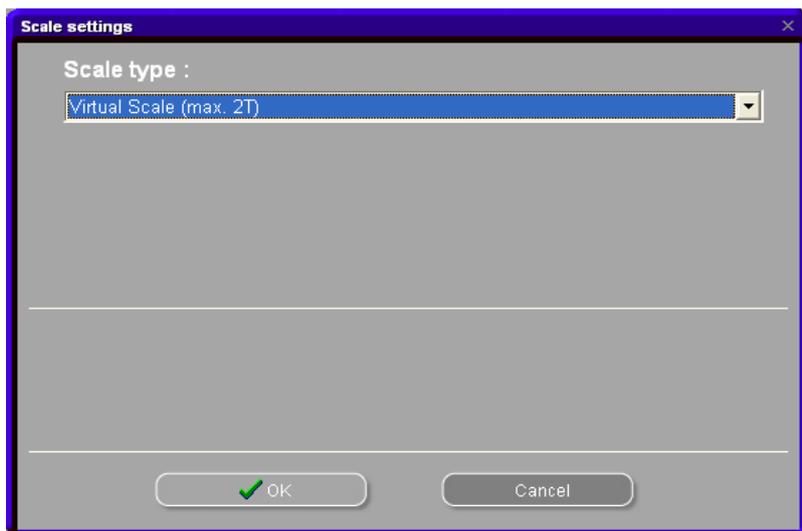
### 2.2.1 Scale.

#### 2.2.1.1 Virtual Scale.

With the “Virtual Scale” you can simulate a scale. This can come in useful if you are working offline, but have weighed in too much. The virtual scale allows to insert the amount you have actually weighed in and the program will recalculate the amounts needed for the other components of your formula.

Activities on the virtual scale will be handled the same way as a real scale: jobs are registered and can be processed via job maintenance (see Job Maintenance, p. 73) as well as via reports (s. Reports, p. 75).

Connection test is not necessary / applicable.



#### 2.2.1.2 Other Scales.

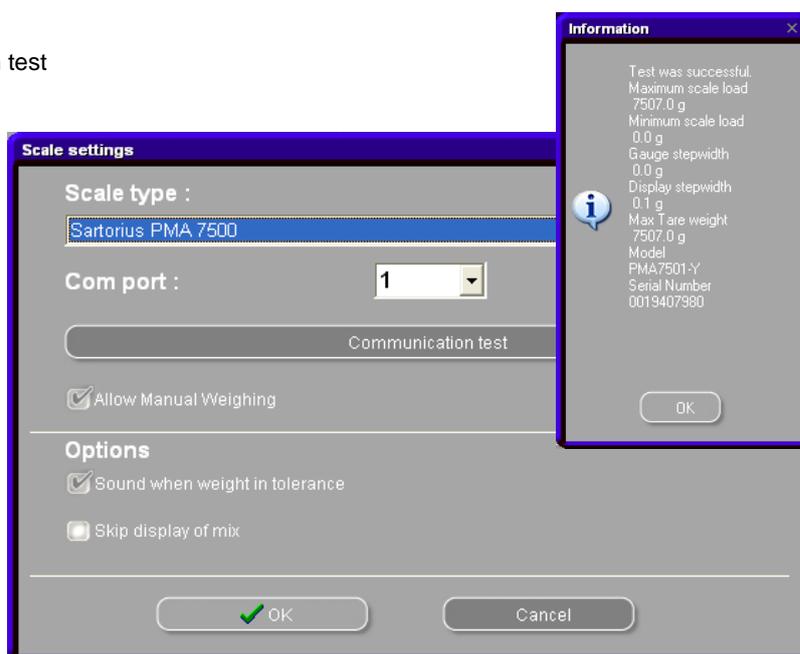
All scales listed can be used with the colour retrieval program.

### 2.2.1.3 Scale Communication Test.

Connect your scale to the PC, select the scale and the COM-port before performing the communication test. In case it is not successful check the cables and the connections and try again. If it still doesn't work, remove the power connector plug from the net and put it back in. In case it is successful click on "Save" and "Ok".

#### NOTE:

- Sartorius scale
  - Perform communication test
  - Switch on the scale
- Mettler scale
  - Switch on the scale
  - Perform communication test



#### NOTE 2:

It is possible to name scales with "Report Configuration", s. Report configuration, p. 34. Job Summary and Deviation Summary reports can be filtered by these descriptions.

### 2.2.1.4 Scale Options.

The following options are available (when a scale is connected):

#### 2.2.1.4.1 Sound when weight in tolerance.

When reaching the required amount of paint you hear a beep.

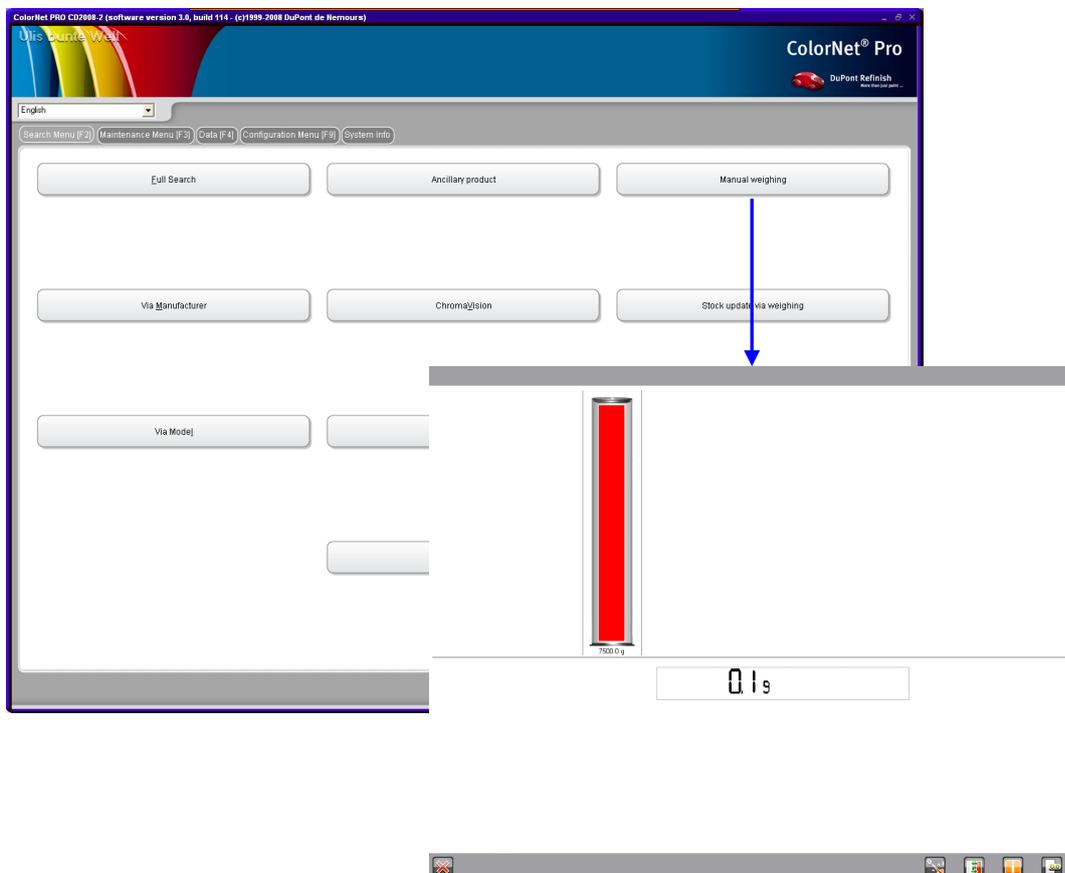
#### 2.2.1.4.2 Skip display of mix.

If this box is checked only the amounts to be weighed are displayed on the scale, but not the mix-/product names. If this box is not checked the display of the scale will alternatively display “mix/product name / weight / name /weight...”.

#### 2.2.1.4.3 Allow Manual Weighing

In case the software is installed on a PC that is connected to a scale without display head you may need the PC screen as display of the weight on the scale.

When this checkbox is clicked an extra button “Weight Display” will appear on the Search Menu screen. This extra button allows to display the weight on the scale via the PC screen.



## 2.2.2 Label.

Select your label printer (appropriate printer driver needs to be installed). All printers that are installed on your computer are listed and can be chosen- including non-label printers; choose your label printer. Select the available label format from the second list.



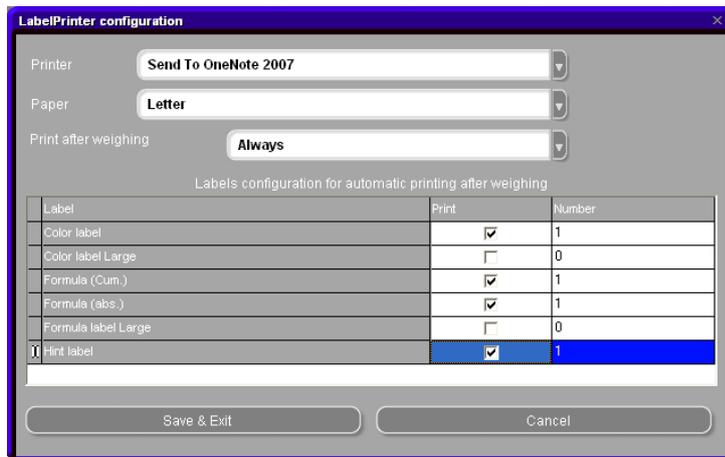
NOTE: Reports are laid out for DIN A4 format. The required printer can be selected from the report module.

### 2.2.2.1 Print after weighing.

When selecting “Always” or “Ask user” from the drop down list in the option “Print after weighing”, another dialog opens. Select the labels requested and type in the number needed.

“Always” means, labels are automatically printed after each finished (weighed) job.

“Ask user” makes the program ask the user after each finished job if labels are required.



HINT: Big labels contain job information when the option “Print automatically after weighing” is active.

## 2.2.3 ChromaVision®.

### 2.2.3.1 Installation of the spectrophotometer module.

The spectro – module can be installed additionally to the base program, s. Installation of the colour retrieval program incl. modules, p. 10.

Open ColorNet® Pro.

Hint: You accelerate the ChromaVision® search if under „Qualities [F7]” (p. 35) only those qualities are activated that are actually available.

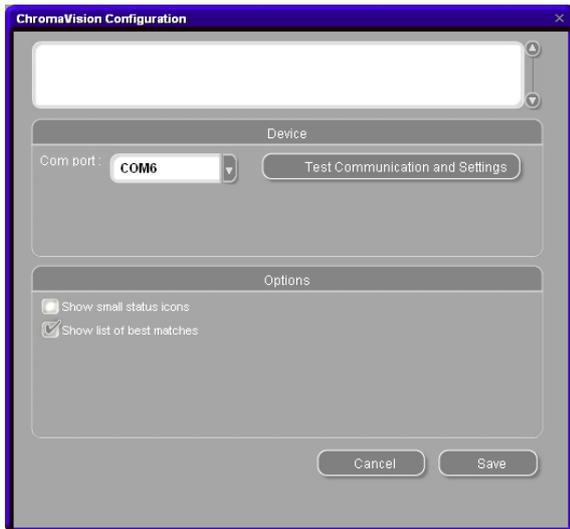
### 2.2.3.2 Spectrophotometer – communication and settings.

Choose the COM-port from the list in the following screen. Start the communication test (click „communication test and settings“).

If the communication test was successful a screen will be displayed with an “options”-field where you can activate the “joblist” - function (Byk instrument only; s. Joblist, page 106, display: „jobs“) and/or the search for single readings in the display of the device („browse measurements“, Byk instrument only; s. Browse measurements, page 106, display: „search“), resp.

In the setup – screen you can choose „Show list of best matches““. If this option is marked, the program will show the ten best matches to your measurement, whereas it goes directly to the best match (only) if this option is inactive, s. Search for measured colour, p. 47.

When comparing the formulae from the database with the reading L, a, b – values are taken into account, no hint on metamerism is given.

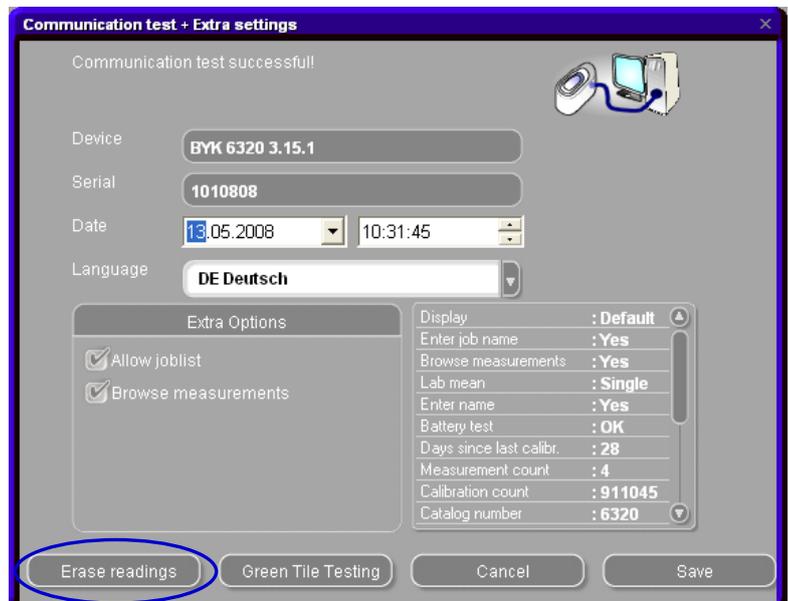


### 2.2.3.2.1 Deletion of Readings

(ChromaVision® configuration -> test communications and settings)

By clicking the “delete” – button all readings that are actually stored on the device are deleted in one go (the spectrophotometer has to be connected for that action).

Single readings can be deleted on the instrument directly.



### 2.2.3.2 Green Tile Test

The Green Tile can be used to identify whether a ChromaVision® device has drifted since production or last certification. This guide explains how you can find out if your ChromaVision® device needs maintenance.

**Q** When should you test your ChromaVision® device?

**A** We recommend you check it every 6 months or when you experience problems with the device.

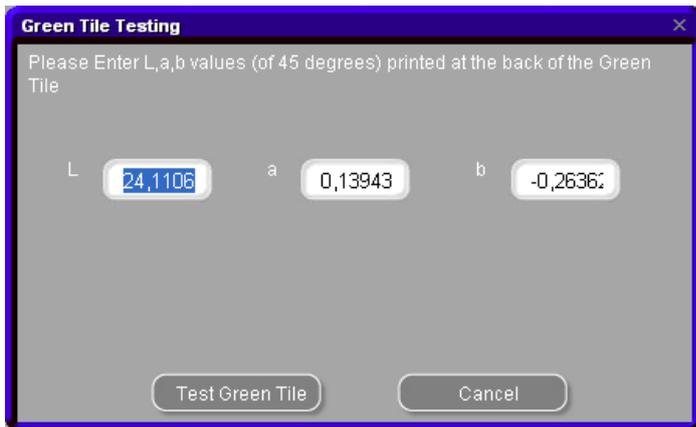
Important note:

Even though we made sure that the colour we used for the Green Tile is very stable we recommend keeping the cover closed and the Green Tile preferably in the envelope.

To check the device, make sure that you have the correct Green Tile for your ChromaVision® at hand (simply compare the serial number printed on the label).

- Perform the communications test.
- Press the “Green Tile Testing” button.

If this is the first time that you enter the “Green Tile Testing” you have to enter the values printed on the label attached to the Green Tile (make sure the serial number corresponds and the positives / negatives are correct).



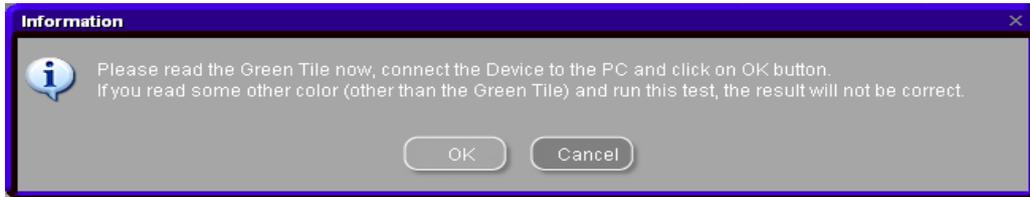
Green Tile Testing

Please Enter L,a,b values (of 45 degrees) printed at the back of the Green Tile

L 24,1106 a 0,13943 b -0,26362

Test Green Tile Cancel

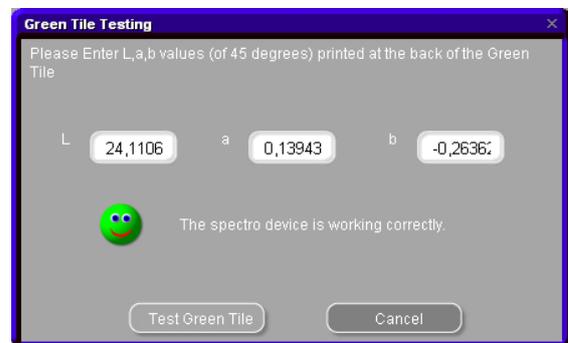
After pressing “Test Green Tile”, the following screen appears:



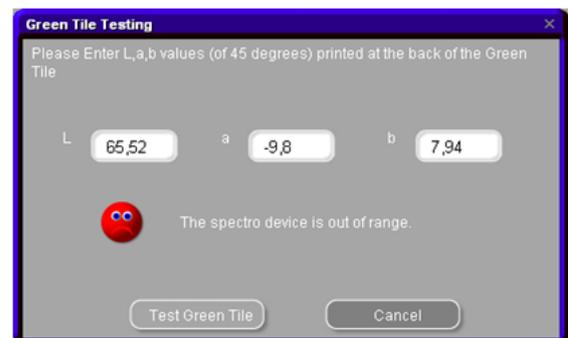
- Detach the cable from ChromaVision® and calibrate ChromaVision®.
- Take a reading of the Green Tile (make sure that you finalise this reading (back in the main menu of the device)).
- Re-attach the cable.
- Press “OK”. The Green Tile measurement will be read by the software and compared to the initial values.

The possible results are:

**Green:** The ChromaVision® device is working correctly



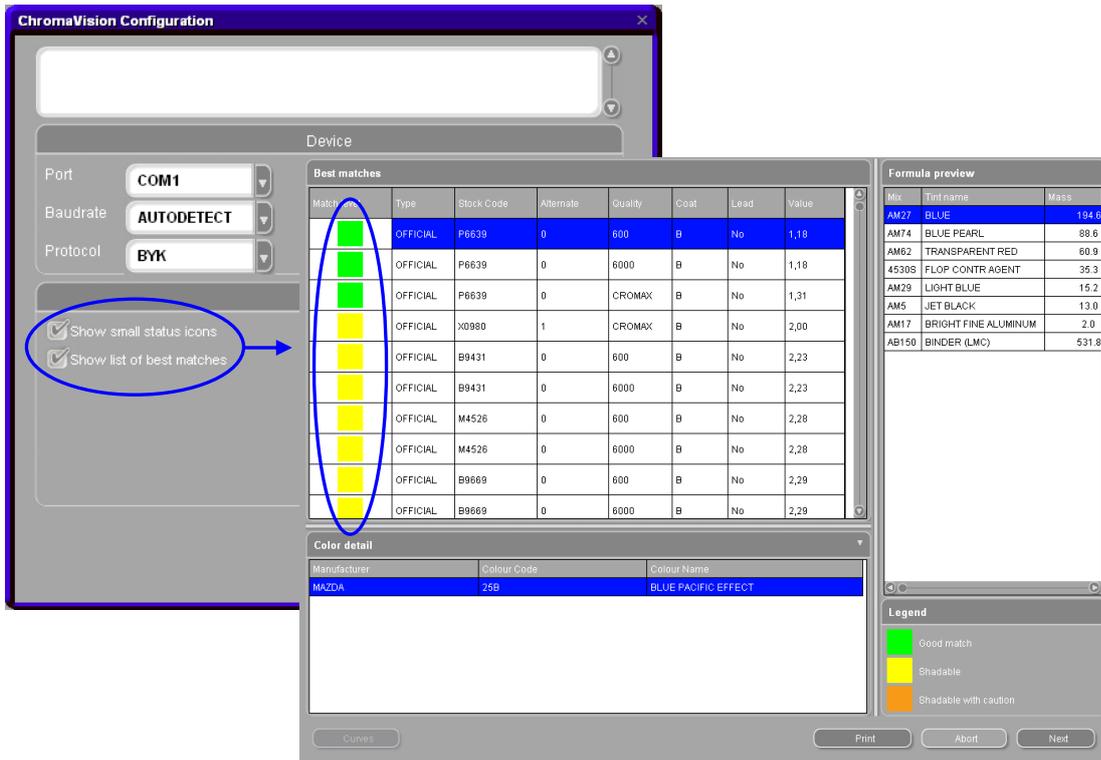
**Red:** The ChromaVision® device is out of range  
Please send the device back for service.



### 2.2.3.3 Options

#### 2.2.3.3.1 Small status icons

Search result screen when both options are activated:



#### 2.2.3.3.2 Show list of best matches

Search result screen, if "Show list of best matches" only is activated:



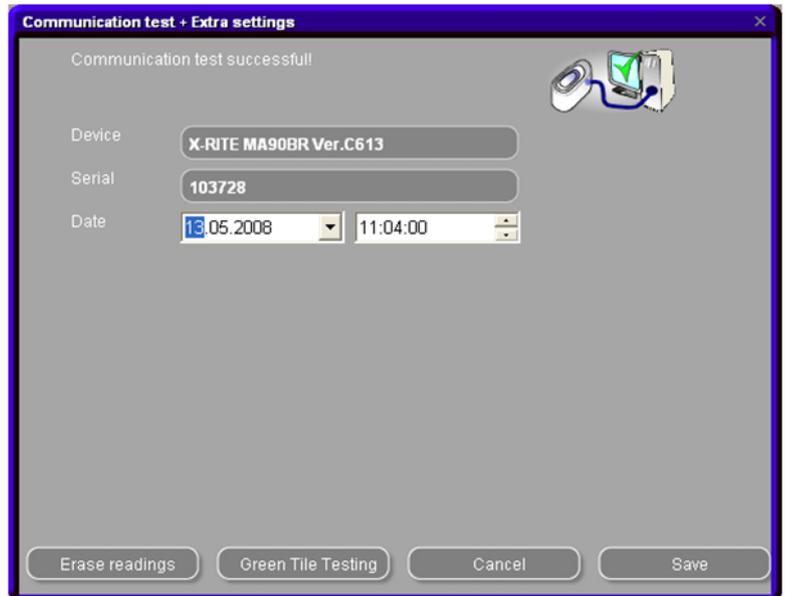
If “Show list of best matches” is not activated, only the first best matching formula will be displayed.

Screen after successfully performed communication test:

X-Rite:

In this screen you can

- see which device is connected with which serial number;
- set the correct date and time;
- erase readings: s. Deletion of Readings, p. 19;
- perform the Green Tile test: s. Green Tile Test, p. 20.

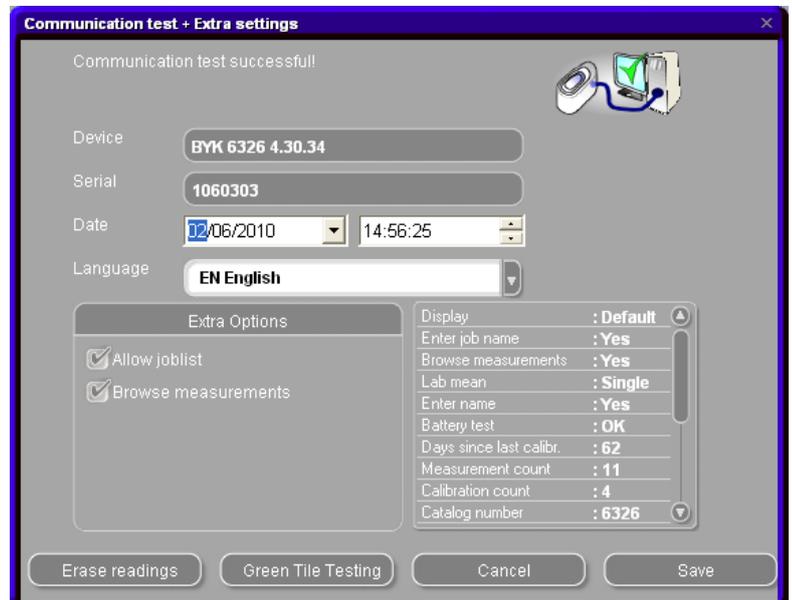


Byk:

In this screen you can

- see which device is connected with which serial number.;
- set the correct date and time;
- erase readings: s. Deletion of Readings, p. 19.
- perform Green Tile test: s. Green Tile Test, p. 20.
- Change the language of the device (s. Language of ChromaVision® – display, p. 110);
- Work with a joblist (s. Joblist, p. 106);
- Browse measurements (s. Browse measurements, p. 107).

NOTE: the last three features are not possible with an X-Rite instrument.



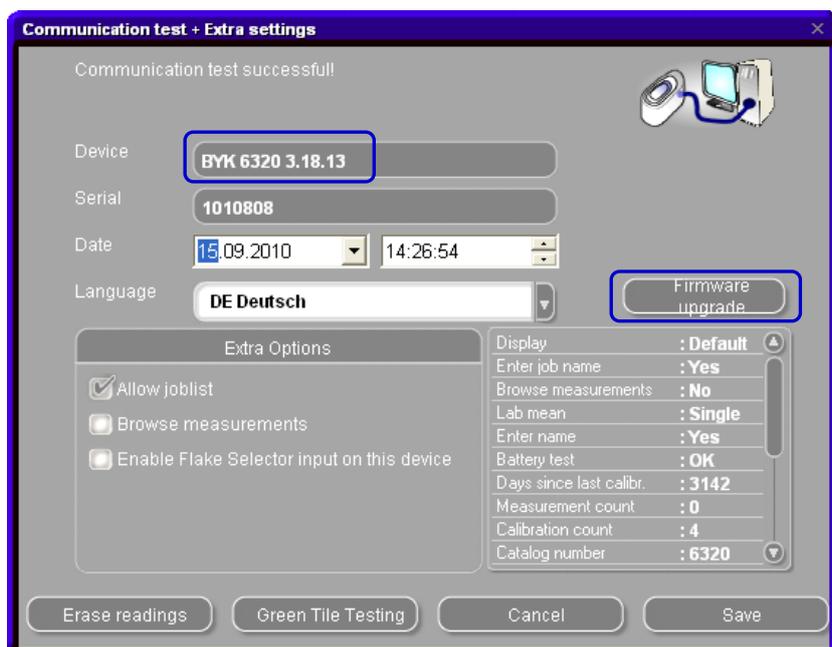
### 2.2.3.3 Prompting for firmware update

The spectrophotometers themselves contain a so called firmware (= software of the device) which is provided by their suppliers.

In case of Byk instruments this firmware can be updated.

Usually, the normal colour search is compatible with a number of versions, but we recommend updating to the latest version to make sure all available functions (as well in the spectro as well as in the colour search software) can be used.

When performing a communication test with a Byk spectrophotometer, the software checks for the firmware version of the spectro. In case it is not the up to date one, a button becomes visible: "Firmware Update".



By clicking on it you will first get a hint that all measurements from your spectro will get lost by updating the firmware.



You can quit without updating (press "Cancel") and first save your measurements if required (s. a. ChromaVision®: local store, p. 111).

If you don't want to keep your measurements or have already stored them, press "OK". The firmware update program starts. You will see the progress on the screen, at the end the communication and settings screen will be displayed again. You may perform another communication test to check which firmware version is installed now.

**HINT:**

Please be aware that the colour software image/CD always contains the firmware versions that are up to date at the creation time of the software. The firmware version might have changed in a software update.

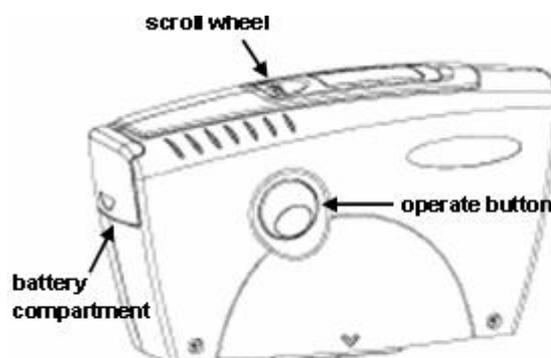
The numbers for the serially connected spectro start with a 3, the ones for the USB-connected device start with a 4.

### 2.2.3.4 Byk-device.

#### 2.2.3.4.1 Accessories Byk-device.

Check if you have got all pieces necessary to operate the spectrophotometer.

- a) ChromaVision<sup>®</sup>-device (spectrophotometer)
- b) battery compartment
- c) 4 AA-batteries
- d) white standard
- e) light trap with red lid
- f) base station
- g) connecting cables
- h) manual
- i) adapter\*: USB to serial
- j) greentile



Insert 4 AA batteries into the battery compartment. Make sure that the batteries are lined up correctly (+ with +, - with -).

#### 2.2.3.4.2 Calibration Byk-device.

Before using the device calibrate it by reading the white and the black standard (light trap; when prompted by the device). The spectrophotometer switches on as soon as you press the „operate“-button or the scroll wheel. First the ChromaVision<sup>®</sup>-logo will be displayed, succeeded by a menu. Choose the “calibrate“-item with the scroll wheel and activate it by pressing the “operate“-button. Follow the instructions, confirm every action by pressing the “operate“-button.

Remove the protection cap from the instrument before measuring. Make sure the instrument is placed in the correct position in the white standard and light trap (red arrows aligned).

---

\* Set up of the USB-adapter

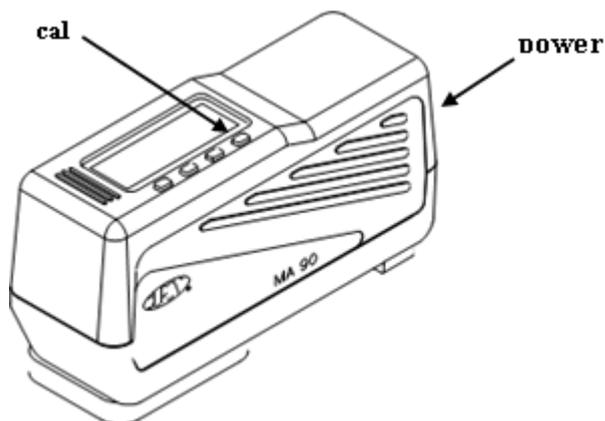
In case no free serial port is available you may use the USB – adapter to provide a connection for the spectrophotometer. The CD-ROM is automatically installed. To follow the instructions free, see all programs -> control panel -> system -> hardware -> tool-manager, in the following list click the + in the square of the ports line: all used ports are shown.

NOTE: Sometimes the inline adapter doesn't work when you try to install it with the extension piece. It will work after removing the extension piece.

### 2.2.3.5 x-rite-device.

#### 2.2.3.5.1 Accessories x-rite – device.

- a) ChromaVision® - device (spectrophotometer)
- b) storage battery compartment
- c) storage batteries
- d) mains adapter / battery charger
- e) white standard
- f) light trap with red lid
- g) connecting cables
- h) manual
- i) adapter: USB to serial
- j) greentile



The accumulators stay in the instrument, they are recharged when the instrument runs on main connection.

#### 2.2.3.5.2 Calibration x-rite – device.

Switch the device on by pressing the „power“-button on the narrow side. Press the key under “cal” in the display, follow the instructions.

### 2.2.3.6 Hardware Requirements for search based on Flake Selector

### 2.2.3.7 ChromaVision® - device

#### 2.2.3.7.1X-Rite MA90BR / MA100 / MA65

Lightness Group and effect value cannot be selected on the device itself, but only after transfer of the measurements in the ChromaVision® preselection screen.

#### 2.2.3.7.2Byk

- BYK ChromaVision® serial Firmware 3.20.16
- BYK II ChromaVision® USB Firmware 4.28.33

Working with the Flake Selector (on the device itself, see Enable Flake Selector input on this device, p. 109) is not possible with earlier firmware versions.

Please make sure that your spectrophotometer is updated. (Separate info on how to update the firmware version of Byk spectrophotometers will follow.)



### 2.2.3.8 Flake Selector fandeck



The Flake Selector shows mixtures of aluminium pigments (silvers) in different levels of coarseness. The set is divided in five Lightness Groups (L 1 – 5). Within each Lightness Group there is one chip for each effect level (E1 – E5).

## 2.2.4 Users.

User definition is automatically installed when you install Price, Reporting or EcoMix.

You can find it under Configuration Menu (F9)/Modules(F6)/Users definition.

The tool allows you to:

- Define different access levels in the software to different users.
- Register who does the weighing jobs (can then be viewed in the reports).

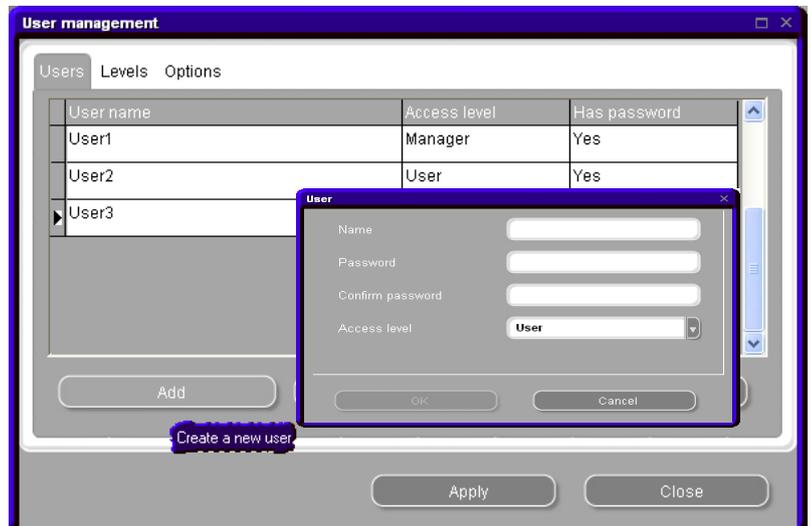
Note: As long as no users are defined, everybody can access any module and work with the program in any way he/she wants without having to identify him/herself. As soon as one user is defined, at least one "Manager/SuperUser" needs to be defined as well. From that moment on, only the "Manager/SuperUser" can access the user management module with his/her password. All search variations ([F2]) are accessible without identification.

### 2.2.4.1 Definition of users.

- Open Users definition and go to the tab "Users",
- Click the "Add" button on the bottom of the screen,
- In the screen that follows, enter name, password and access level.

#### Consequences:

When users are defined, you can select a user "before" sending a job to the job queue (with EcoMix). When the job is weighed, the info will appear in the reports.



HINT: In case the Manager/SuperUser forgot his/her password, there is the possibility of entering the system with an "emergency password". Please contact your support people.

There are **two reasons** why you would want to define users:

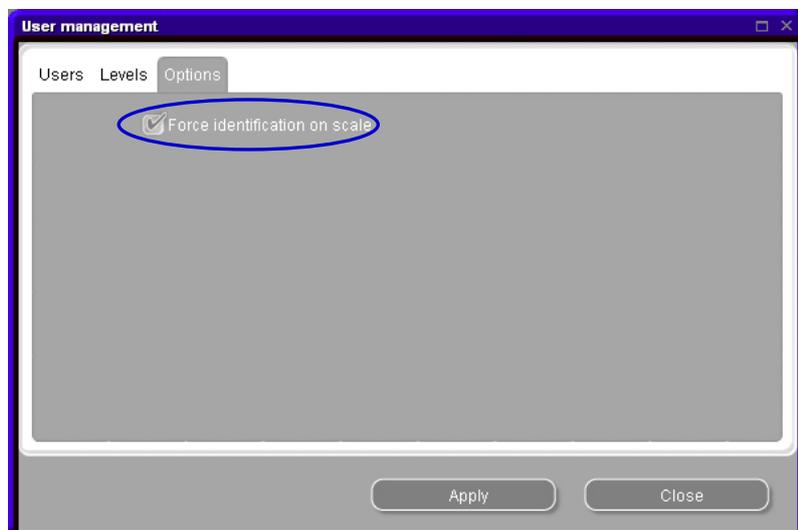
### **2.2.4.2 Identification of users.**

If you want to assign jobs to certain persons (with EcoMix) and/or want to control who is weighing. In this case check the box "Force identification on scale" on the options tag of users definition.

- Open Users definition and go to the tab "Options"
- Click on the "Force identification on scale" flag.

Consequences:

Before weighing, the user **MUST** enter his/her password. This is valid for a normal scale and for EcoMix. All info is recorded and visible in the reports.



### 2.2.4.3 Access authorisation and control.

Two user levels are defined:

- Normal
  - Look up a formula and weigh the formula.
- Manager
  - Access to the full system.

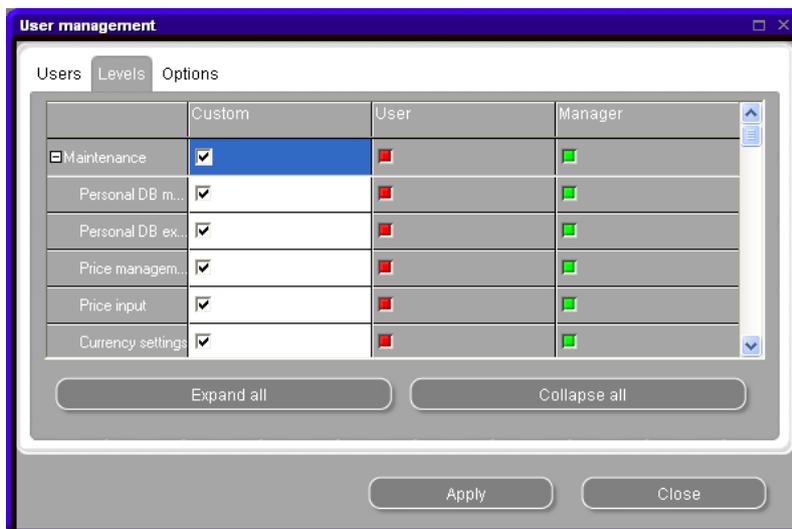
One user level that can be adjusted:

- Custom
  - Access rights can be defined by the customer. All software functions are classified under 3 main levels:
    - Maintenance
    - Data IO
    - Configuration

Important: When selecting a function, make sure its main level is selected as well!

Example: Give access to the Pers DB and import/export of it.

- Select the main level “Maintenance”. A message will pop up, click ok to continue.
- All functions listed under “Maintenance” will be selected.
- De-select the functions under “Maintenance” that you do not wish to use.



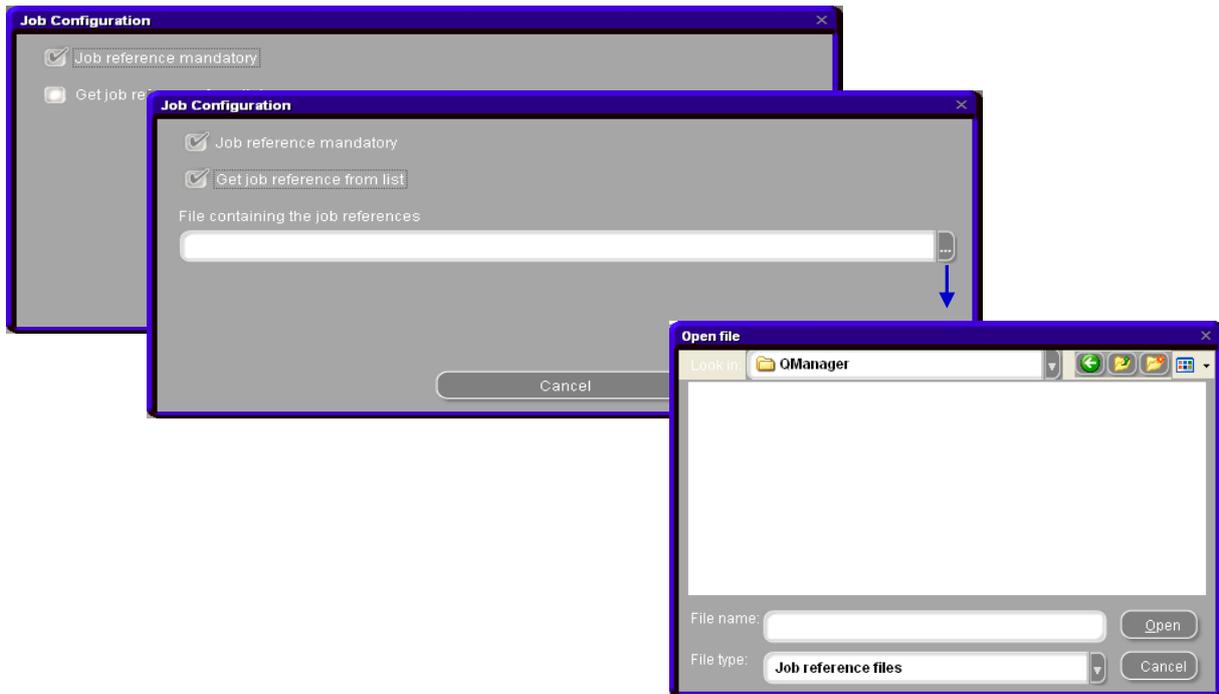
### 2.2.5 Send to scale / Job Configuration.

To organize and summarize work processes it is possible to allocate job references to jobs that are sent to scale. Job references may be internal references or may be connected to external systems (insurance, etc.)

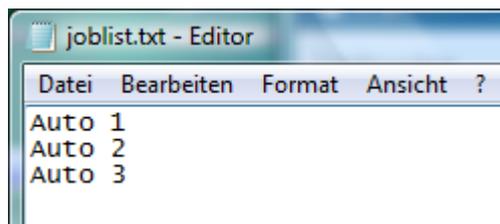
Define if the job reference is mandatory by checking the first box.

When the first box is checked as second one appears "Get job from reference list".

Click on the box at the right hand side of the line to select the document containing the reference list.



Example of a joblist:



### **2.2.6 Report configuration**

Any scale / EcoMix that was ever connected to the PC will be listed here with its ID.

Scale IDs are alphanumerical sequences that are calculated the moment the scale communication test is performed. The ID of the currently attached scale / EcoMix you will find in Queue maintenance, p. 74; the default description for a scale is "scale" whereas for an EcoMix it is "task".

In the right column, you can give a name or description to the scale(s) which allows you to filter on it in the Job Summary Report, p. 75 and Job Detail Report, p. 75.

## 2.3 Qualities [F7]

In the “General” tab, you can check the “VOC Compliant only” flag.

If the “VOC Compliant only” was checked, only VOC compliant qualities are displayed. If not, all qualities are displayed.

### NOTE:

If needed, you can select/de-select the qualities you use/not use. How to do this:

- Select only the qualities you use. (This will limit the formulae found in a colour search to those qualities only).
- Scroll down the list with the arrow keys.
- To select/deselect press the space bar.
- Press  to select VOC-compliant qualities only.

Although qualities are switched off, it is still possible to view them in the Colour Search with the “Show inactive qualities”-button on the bottom left of the screen



(S. a. VOC Compliancy, p. 13)

A (de-)selection of qualities will affect different modules:

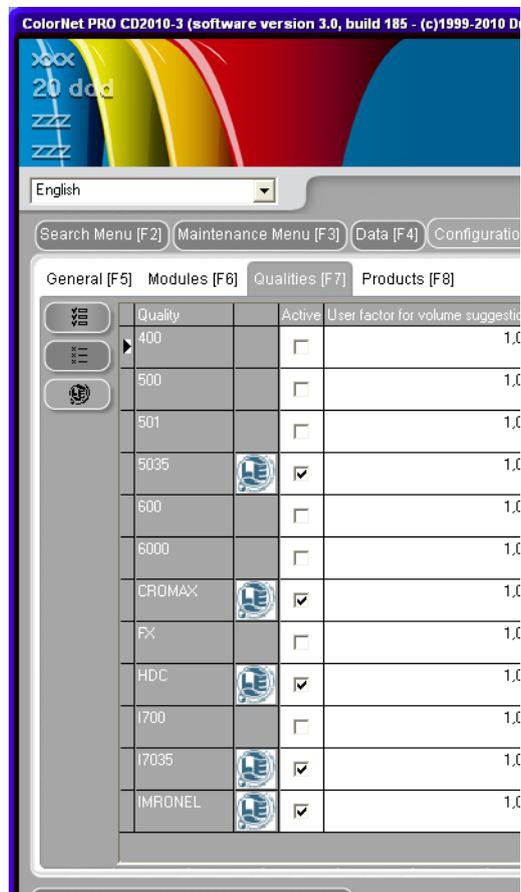
- Stock
- Personal Database
- Price Management
- Search (resulting qualities)
- Ancillary Products

### 2.3.1 User Factor for Volume Suggestion

For each quality you can define a factor for the suggested volume.

It takes into account if generally more or less material is used then given by default.

NOTE: There are already default values per quality set in the software.



## 2.4 Product Visibility.

By default, all products from the product range are activated.

To deactivate remove the hook from the check box.

Single products can be searched by code in the field on top left of the list or by name in the second field. Type in any part of the product name, the list will show immediately all names containing the typed in letter combination.

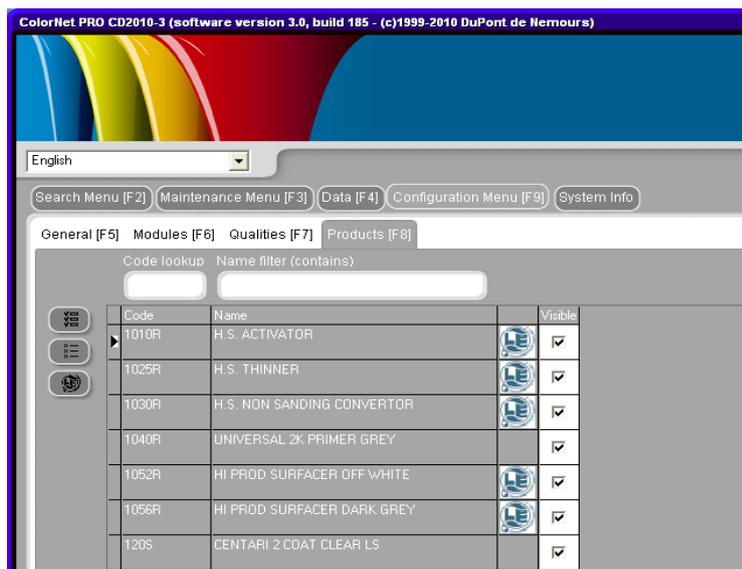
“Select VOC only” will deactivate all products that are definitely not VOC compliant. Products that can be used in VOC and non-VOC compliant combinations will be activated.

It might be quicker to deselect all products first and activate the necessary ones afterwards.

Activation / deactivation has effect on the following modules:

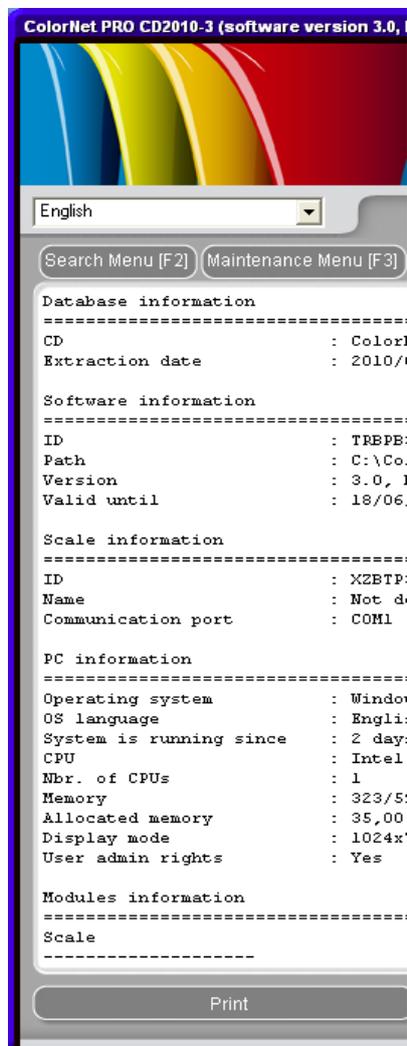
- Personal database
- Price management
- Search
- Ancillary products

NOTE: these products are not allocated to a quality. Products allocated to a quality are activated / deactivated with this quality.



## 2.5 System Info.

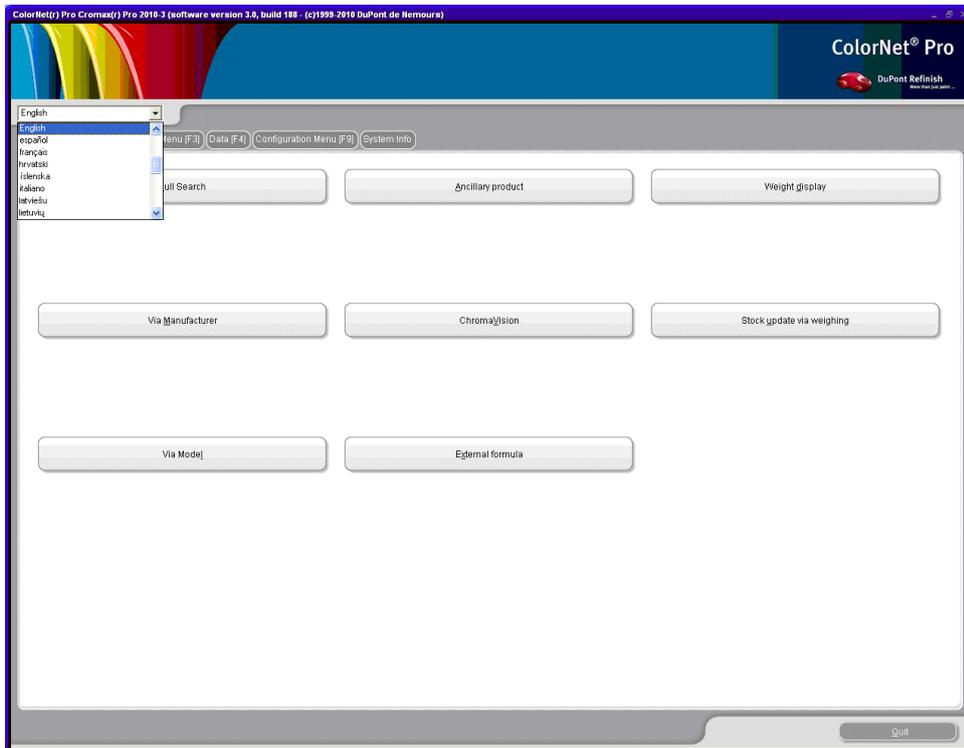
This tab displays info on the system, external devices, etc. They can be printed out.



### 3 Search Menu [F2]

The display of this screen varies according to the modules that you have installed/configured. “Full Search”, “Via Manufacturer”, “Via Model”, “Ancillary Products” and “External Formula” are always available. The display of the ChromaVision®-button is dependant on the settings/configurations.

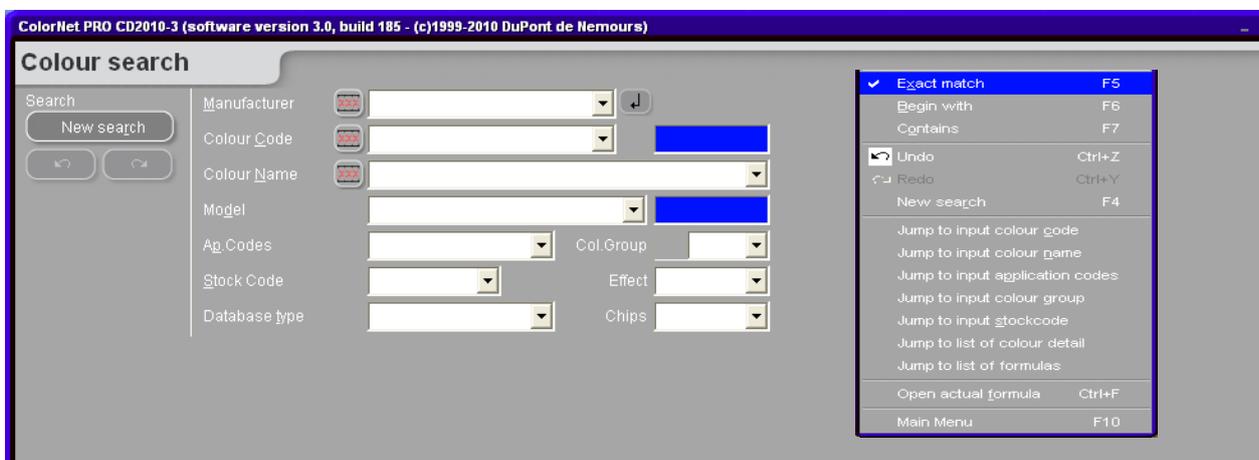
“Full Search” is the most powerful search; for your convenience also guided searches “Via Manufacturer” and “Via Model” were created.



#### 3.1 Full Search

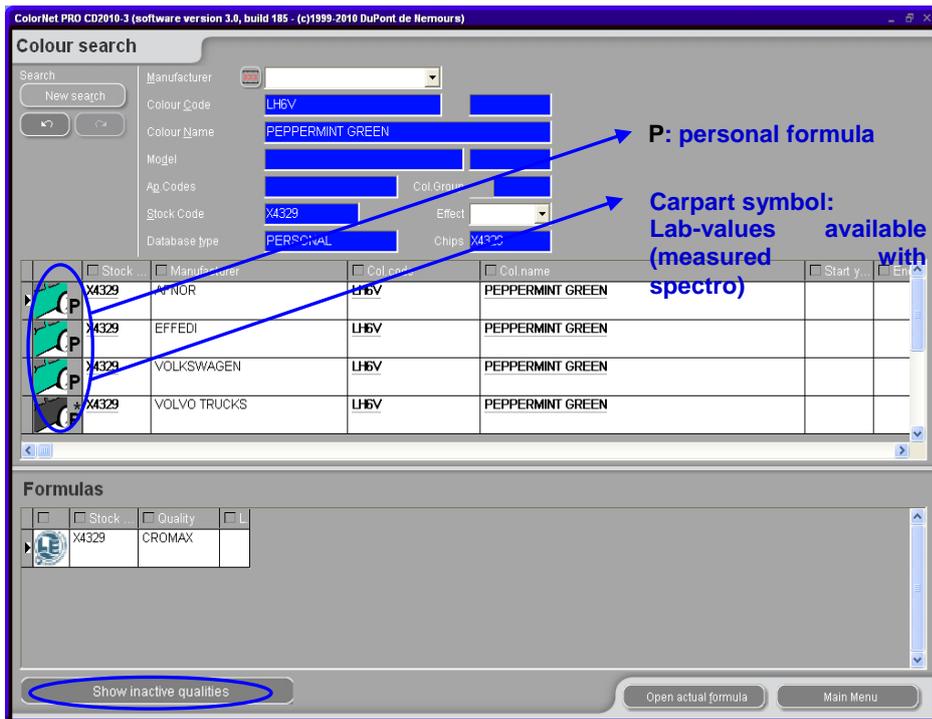
Type in any info known, press enter or click on the arrow beside the field.

Vary the search by changing the search modus (clicking on the resp. fields or display menu with F1-key):



- default:  exact match (F5)
- click once:  begin with (F6)
- click twice:  contains (F7)

You can start typing the information you have into any field, the search will be fastest, though, if you fill in from top to bottom. With the last field “Database type” you can limit the search to your personal formula. The search result is displayed as follows:



The screenshot shows the 'Colour search' window. The search criteria are filled in: Manufacturer (LH6V), Colour Code (PEPPERMINT GREEN), Colour Name (PEPPERMINT GREEN), Model (LH6V), Ag. Codes (LH6V), Col. Group (LH6V), Stock Code (X4329), Effect (LH6V), Database type (PERSONAL), and Chips (X4329). The search results table lists four entries for 'PEPPERMINT GREEN' with different manufacturers: MANOR, EFFEDI, VOLKSWAGEN, and VOLVO TRUCKS. Each entry has a 'P' icon in the 'Stock' column. The 'Formulas' section below shows a formula for 'CROMAX' with stock code 'X4329'. A 'Show inactive qualities' button is circled at the bottom left. Annotations with arrows point to the 'P' icon and the 'PERSONAL' database type, with text: 'P: personal formula' and 'Carpart symbol: Lab-values (measured with spectro) available with'.

The colour info of possible colours is displayed in the middle part, the available qualities and formulae are displayed in the bottom part (“Formulas”).

Scroll in the middle part and thus see the formula info for each line.

By scrolling to the right (of middle part) a column becomes visible: “Application Code”, here you will find a hint on where this colour is used (e. g. exterior).



→ Effect colour



→ Solid colour



→ 2-Tone colour



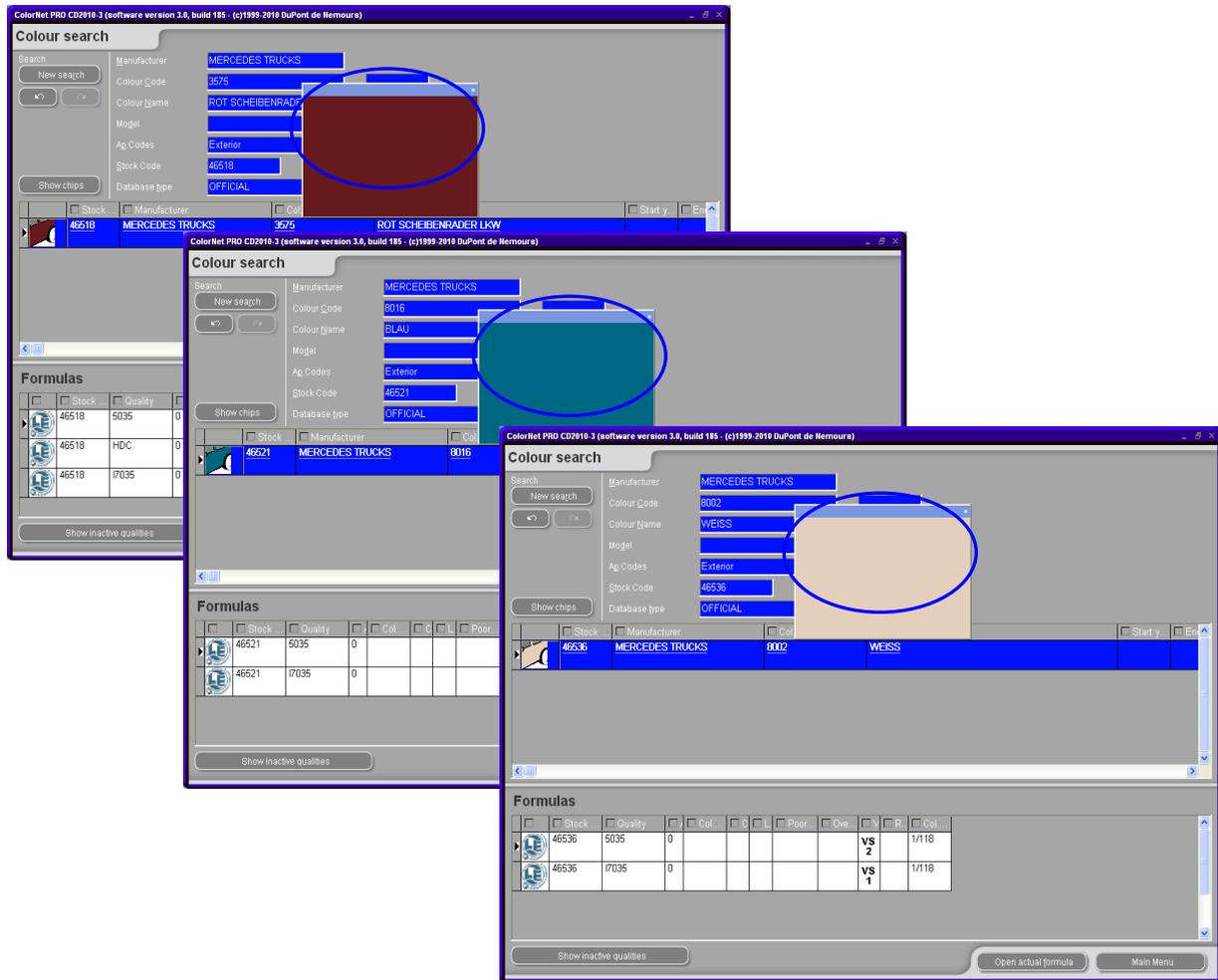
→ Personal formula – with L, a, b values



→ Personal formula – without L, a, b values



Enhance the colour representation by highlighting the colour (in the middle part of the screen) and pressing Ctrl + W  
 When scrolling down the list of colour info lines the colour in the window will change, too.



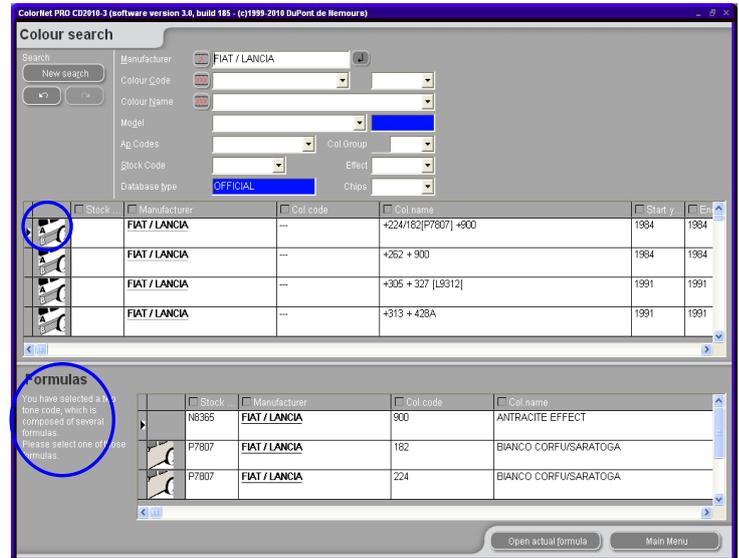
The icons in the formula part (at the bottom) of the screen inform you on:

-  contains lead
-  poor hider
-  overall repair
-  Value Shade No.
-  revised formula
-  reference of colour selector

By double clicking a line or clicking on “Display formula” in the lower part of the screen, the formula is displayed. See Display of the formula, p. 52.

### 3.1.1 Twotone Colours

If the found formulae are part of a twotone colour you find this hint on the right side of the formula in the formula (bottom) part of the screen.

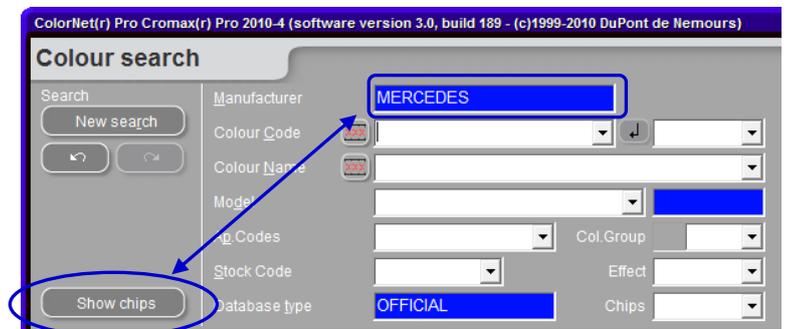


### 3.1.2 Digital colour chips display.

- The CVD is a tool that can be used to replace the OEM Colour Book.
- The tool is available both in ColorQuick Pro and ColorNet® Pro.
- The button “Show chips” will become visible in the Colour Tool search as soon as the following **criteria** are met.

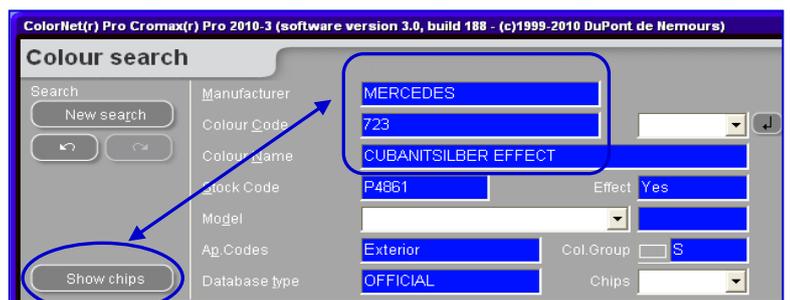
#### Full Search

Once you have entered a Manufacturer, the button “Show chips” will become visible. Click on the button to view all chips, corresponding to your selection.



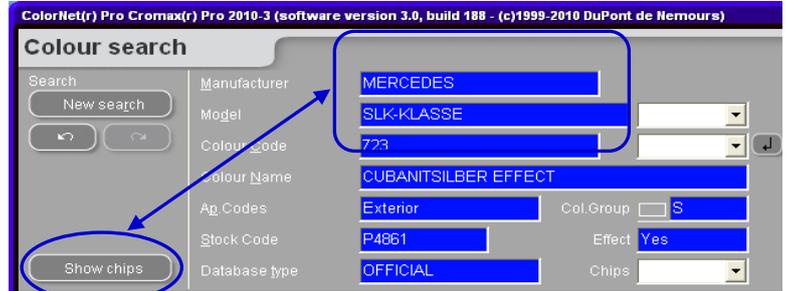
#### Via Manufacturer

Once you have entered the Manufacturer and colour code or colour name, the “show chips” button will become visible. Click on the button to view all chips, corresponding to your selection.



**Via Model**

Once you have entered the Manufacturer and model and colour code or colour name, the "show chips" button will become visible. Click on the button to view all chips, corresponding to your selection.



The chips will be displayed in this way:

Multitone Color



Solid



Effect



**Color chips**

	<b>20A</b> 1989-1995 +148 + 368		<b>20D</b> 1989-1995 +4D2 + 4H4
	<b>2219</b> 1987-2005 GREY		<b>22D</b> 1989-1995 +8D8 + 8D7
	<b>25L UNDERHOOD</b> 1989-2000 BORDEAUX RED		<b>26L</b> 1989-2004 +8G4 + 168
	<b>2AU</b> 1995-1997 +1A0 + 195		<b>2CM</b> 1998-1998 +8M0 + 1A0

**NOTES:**

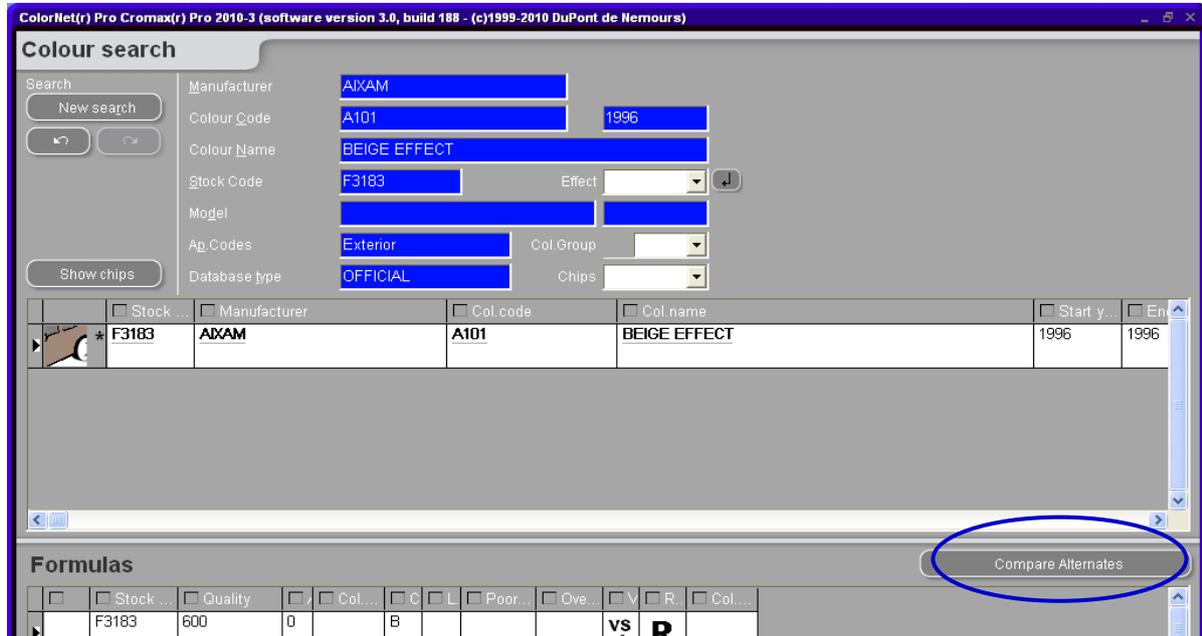
When pointing the mouse over the text area, the model info will be shown where applicable.

By clicking on the "corners", you can scroll through all available colour codes for that colour (left corner = back; right corner = forward)



### 3.2 Alternate comparison

This function is part of the default installation from update 2/2010 on.  
The button is visible on the search result screen:

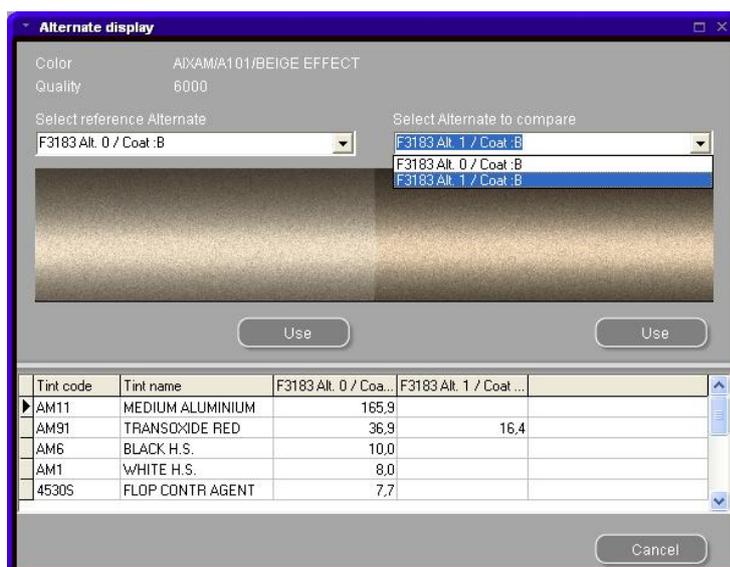


Select the required quality from the list of active qualities.

You will see the formulas of the alternates selected.

Within one colour you can compare the alternates by help of chips calculated based on Lab-values and coarseness for Cromax<sup>®</sup> Pro - quality.

Please be aware that for any other qualities the colour is also calculated based on Lab-values, but only one default coarseness is displayed. For these, you can judge on the colour, but not on the effect.



In the lower part of the screen you see the formulas as well of the reference as well as of the alternate you chose. (Here you can see in any case which kind of effect pigment is in the formula.)

With the "Use" button you send the formula shown above the button to the formula screen and can proceed as usual.

### 3.3 Guided Search

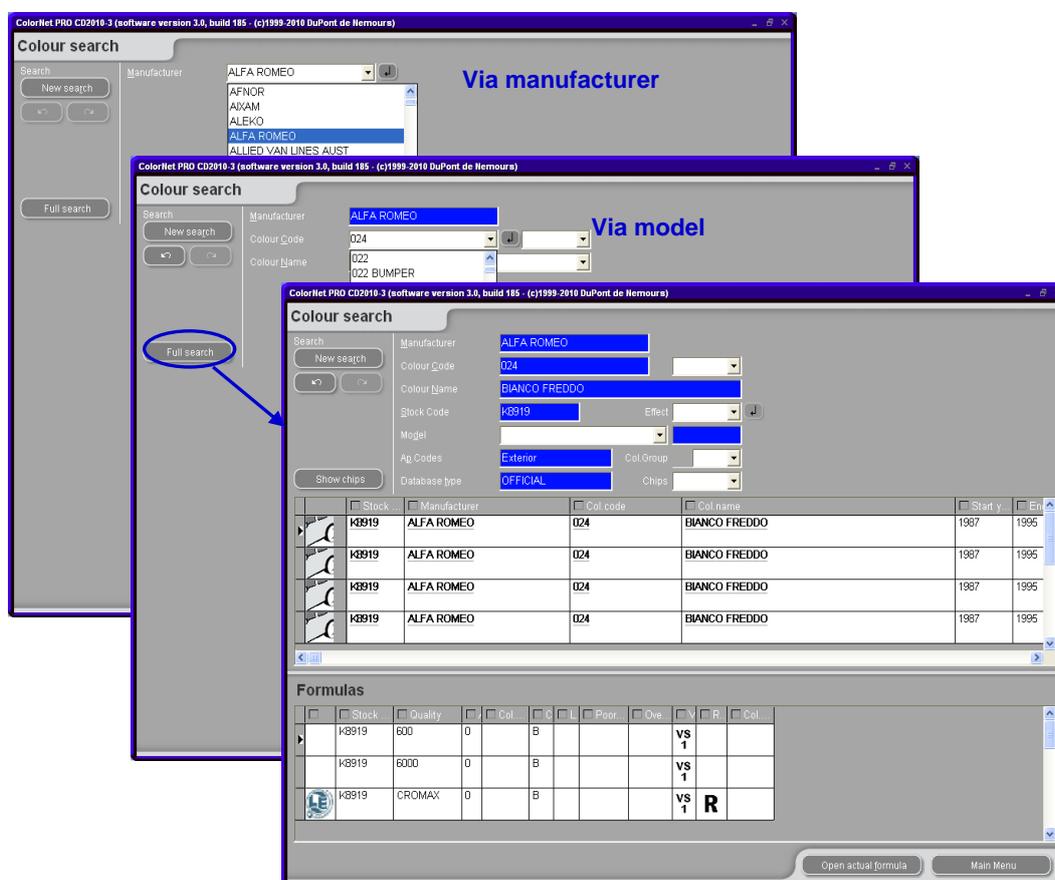
#### 3.3.1 Via Manufacturer

Choose a name from the list or type in the first letters, the program will jump to the most suitable entry. Limit the search further by entering values into the fields that appear after confirming the entry in the first line.

#### 3.3.2 Via Model

The procedure is the same as with Via Manufacturer.

When clicking the button “Full Search”, all other filter possibilities are added to allow fine tuning the search if needed.



### 3.4 Ancillary Products.

It is the same module as the “Ready for Use” (s. a. Ready for Use, p. 54), but it allows you to have combinations of non-colour products, as clears and undercoats calculated and sent to scale.

You have the choice of all standard combinations that are described in TDS (Technical Datasheet), you can make changes with regards to thinner addition within the given limits and store quickselects (Create a quickselect, p. 55) in the same way as is done with Ready for Use.

NOTE: Be aware that for weighing of solvent containing material EX-zone requirements according to country specific regulations have to be fulfilled.

### 3.5 Formula Retrieval with ChromaVision®.

If ChromaVision® was installed and configured (s. Installation of the colour retrieval program, p. 9), the button "ChromaVision®" is visible in the Main Menu.

Step 1: Measurement: device must be disconnected

Step 2: Transfer of measurements

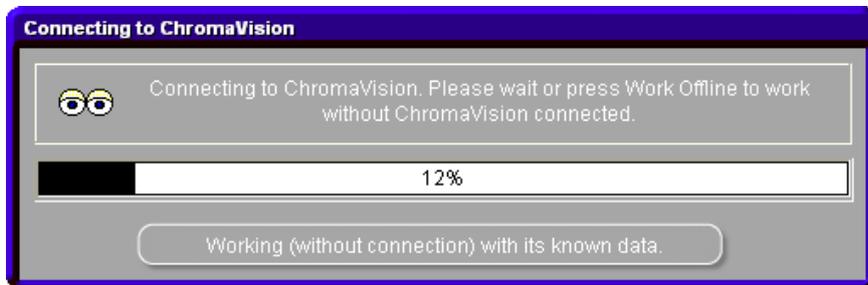
The measurement process needs to be finished. The display on the instrument should be on its main menu.

#### 3.5.1 Transfer of measurements

Physically connect the device to the PC via the cable provided

Click on "ChromaVision® search.

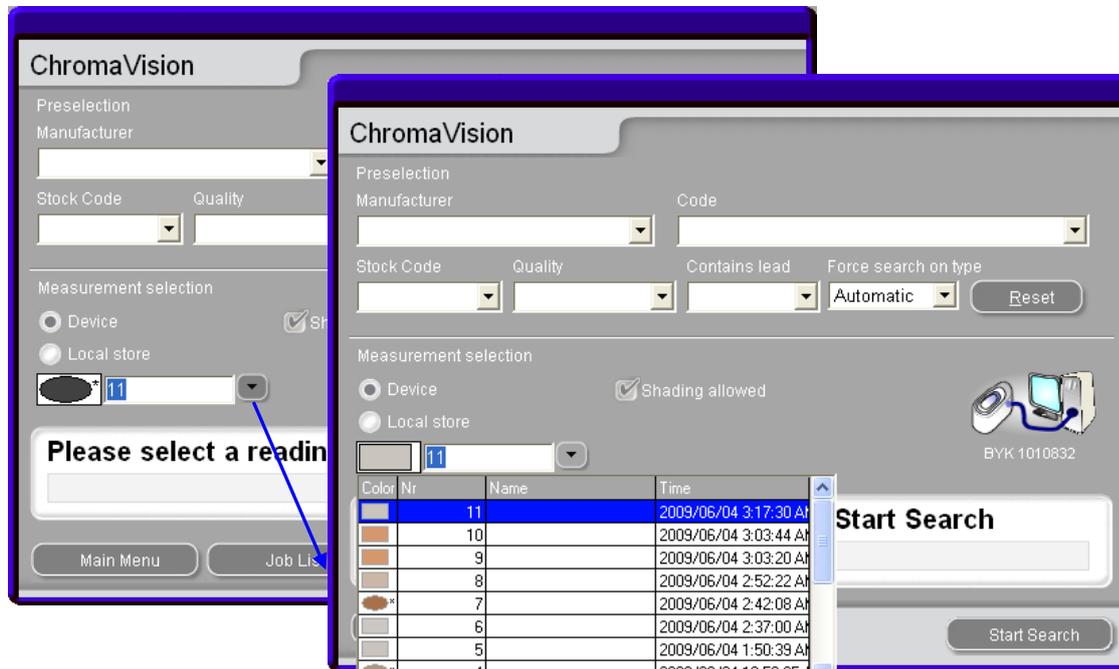
Software will seek connection and when established will download all new measurements



Once the new measurements are downloaded, the device can be disconnected.

### 3.5.2 Search for measured colour

Screen after downloading data:



- Click the little arrow right beside the field with the number of the last reading.
- Choose a measurement from the list.
- The software estimates the colour type and displays this for each measurement.

Solid Colour



Effect Colour



- Force on search type
- When "Automatic": the search will be done according to the estimated colour type (solid or effect). Should the estimation of the software not be correct, you need to force the search on the right colour type. E. g. if the surface of the measured sample of a solid colour is scratched, the software might estimate it is an effect colour. But, because you know that it is a solid colour you should force the program to search within solid colours only. In case of very fine aluminum flakes (in metallic colours), the software might estimate it is a "solid colour"; you should force search on "metallic".
- Select search criteria for manufacturer, code, stock code, quality.
- For metallics it is recommended to enter the manufacturer as search criteria to make sure the same effect pigment is used for the original as in the repair formula.
- "Contains lead": forces the search to look up lead containing or lead free formulae only.
- „Reset“ will remove all criteria.

Also refer to the folder: "ChromaVision® Tips for success"

### 3.5.2.1 Shading allowed

Activated by default.

Double click a line to achieve more information on the selected colour:

**Best matches**

Match level	Type	Stock Code	Alternate	Quality	Coat	Lead	Value
Yellow	OFFICIAL	45002	0	500		No	2,85
Yellow	OFFICIAL	47529	0	500		No	3,29
Yellow	OFFICIAL	F7217	0	500		No	3,48
Yellow	OFFICIAL	IU121	0	500		No	3,48
Yellow	OFFICIAL	C9061	0	500		No	3,60
Yellow	OFFICIAL	L7907	0	500		No	3,64
Yellow	OFFICIAL	46178	0	500		No	3,85
Yellow	OFFICIAL	H3976	0	500		No	3,90
Yellow	OFFICIAL	44299	0	500		No	4,12
Yellow	OFFICIAL	N9738	0	500		No	4,15

**Color detail**

Manufacturer	Colour Code	Colour Name
BERKLEY	1322	VASTERAS LBC BEIGE
FCS	3/468	VASTERAS LBC BEIGE
FLEET SWEDEN	LBC VASTERAS	NEVADABEIGE 8-GV FORD
FORD EUROPE	1002	BEIGE NEVADA
FORD EUROPE	8	BEIGE NEVADA
FORD EUROPE	GV	BEIGE NEVADA
FORD EUROPE	GVP	BEIGE NEVADA

**Formula preview**

Mix	Tint name	Mass
AM1	WHITE H.S.	280.0
AM81	YELLOW OXIDE H.S.	151.0
AM6	BLACK H.S.	20.5
AM84	RED OXIDE L.S.	60.0
AK100	2K-BINDER	606.5

**Legend**

- Green: good match
- Yellow: shadable
- Orange: use with caution!

**Result**

**S** An existing formula has been shaded to create a formula that matches the panel well. It is advised to spray a test panel.

**Shaded**

**Original formula detail**

Stock Code	45002	Alternate	0	Coat	
Quality	500	Uses Lead	No		

Manufacturer	Colour Code	Colour Name
BERKLEY	1322	VASTERAS LBC BEIGE
FCS	3/468	VASTERAS LBC BEIGE
FLEET SWEDEN	LBC VASTERAS	NEVADABEIGE 8-GV FORD
FORD EUROPE	1002	BEIGE NEVADA

Preview    Abort    Finalise

OR

**Result**

**!** Use with caution! The panel has been matched to an existing formula. However, a test panel should be sprayed.

**USE WITH CAUTION**

**Original formula detail**

Stock Code	F1805	Alternate	3	Coat	B
Quality	CROMAX	Uses Lead	No		

Manufacturer	Colour Code	Colour Name
LEXUS	6P3	DK GREEN EFFECT
TOYOTA	6P3	DARK GREEN EFFECT
TOYOTA	6P3 PICNIC BUMPER	DARK GREEN EFFECT
TOYOTA	KD4 PICNIC BUMPER	DARK GREEN EFFECT

Preview    Abort    Finalise

Click „Preview“ to go to the print preview of the formula for 11,  
 Click „Formula“ to open the formula edit screen, s. Display of the formula (page 52).

**3.5.2.2 Shading allowed inactive (no shading)**

NOT the standard process.  
Can be useful when colour hiding is not sufficient because the colour of the substrate may influence the shading calculations negatively.

**Best matches**

Match level	Type	Stock Code	Alternate	Quantity	Coat	Lead	Value
1	OFFICIAL	F1885	1	CROMAX	B	No	2,39
1	OFFICIAL	F3087	2	CROMAX	B	No	2,39
1	OFFICIAL	91685	2	CROMAX	B	No	2,58
1	OFFICIAL	F3087	3	CROMAX	B	No	2,83
1	OFFICIAL	W9985	8	CROMAX	B	No	2,73
1	OFFICIAL	F1885	1	CROMAX	B	No	2,78
1	OFFICIAL	99609	2	CROMAX	B	No	2,85
1	OFFICIAL	99204	8	CROMAX	B	No	2,88
1	OFFICIAL	W9985	2	CROMAX	B	No	2,89
1	OFFICIAL	F1885	8	CROMAX	B	No	2,92

**Color detail**

Manufacturer	Colour Code	Colour Name
TOYOTA	SP3	DK GREEN EFFECT
TOYOTA	SP3	DARK GREEN EFFECT
TOYOTA	SP3 PICNIC BUMPER	DARK GREEN EFFECT
TOYOTA	HD4 PICNIC BUMPER	DARK GREEN EFFECT
TOYOTA/ALIST	SP3	DARK GREEN EFFECT

**Legend:**  
Green: good match  
Orange: use with caution!

**ChromaVision formula preview** Printed on: 10/07/2010

Reading number: 2  
Date: 02/07/2010  
Time: 10:08:54  
Type: Metallic

Stock Code: X0516  
Alternate: A  
Coat: B  
Quality: CROMAX PRO  
Uses Lead: No  
Manufacturer: VOLVO  
Colour Code: 468  
Colour Name: LAVA SAND/BAHREIN EFFECT 4/E2

**Formula**

Mix	Name	Original weight	Weight after shading	Difference
WB2010	CROMAX PRO BC BINDER I	190,2	189,3	
WB2030	CROMAX PRO BC VISCOSITY BALANC	444,0	441,9	
WB06	BLACK HS	199,4	175,4	
WB1031	MEDIUM FINE ALUMINIUM	80,4	70,7	
WB1050	SP3 PINKNESS ADJUSTED	45,0	80,5	55,0

gram (abs.)	gram (cum.)
259,0	259,0
64,4	323,4
57,6	381,0
3,7	384,7
132,4	517,1
432,6	949,7

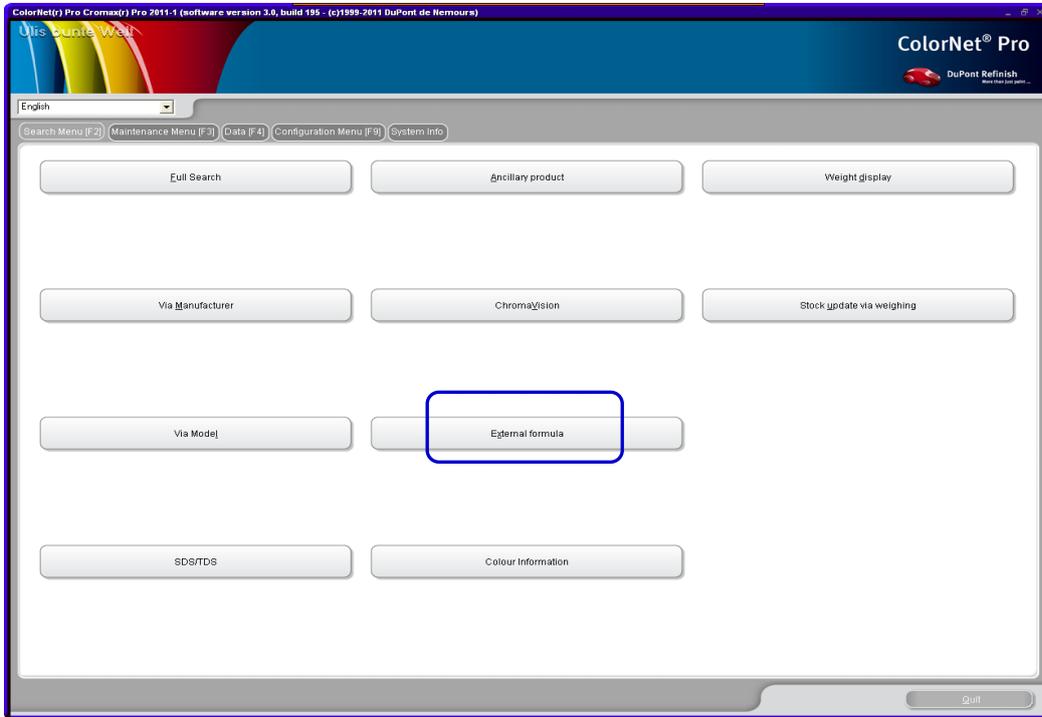
**Prescription**  
**USE WITH CAUTION**

Stock Code : B9669  
Quality : 6000  
Coat : B  
Alternate : 0  
Col.Chng :  
Std.Date : 1995/01/06  
Form.Date : 2010/06/04

Manufacturer: FORD USA  
Col.code: 6799  
Col.name: ROYAL BLUE EFFECT

### 3.6 External formula

In ColorNet® Pro, you have the possibility to import an external formula from the internet via “External Formula” on the Colors [F2] of the tool.



Steps to follow:

Search a formula from the DuPont Refinish Colour Retrieval website <http://www.dupontrefinish.com/> or your local website.



Click on the “Export” button under the formula date to download the formula.

ality:  Region: TAIWAN, REPUBLIC OF CHINA

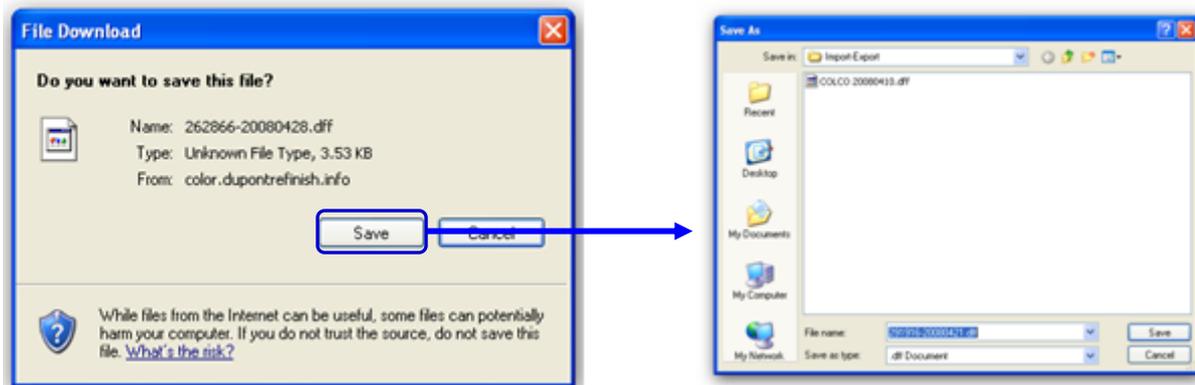
ternate	Coat	Finish type	VS	Type	Chip Position	Acti
	2 COAT	Gloss	6	Metalic	-	

ngrdCd	Description	gram (abs.)	gram (cum.)
M6	BLACK H.S.	84.9	84.9
M29	LIGHT BLUE	37.9	122.8
M11	MEDIUM ALUMINIUM	37.1	159.9
M30	FAST GREEN H.S.	22.9	182.7
M70	FAST BLUE L.S.	17.5	200.2
M2	WHITE L.S.	15.7	216.0
M66	RED VIOLET	3.2	219.1
M43	BRIGHT YELLOW	1.6	220.7
B155	M.S. BINDER	264.9	485.6
B165	M.S. BINDER	457.5	943.1

quantity

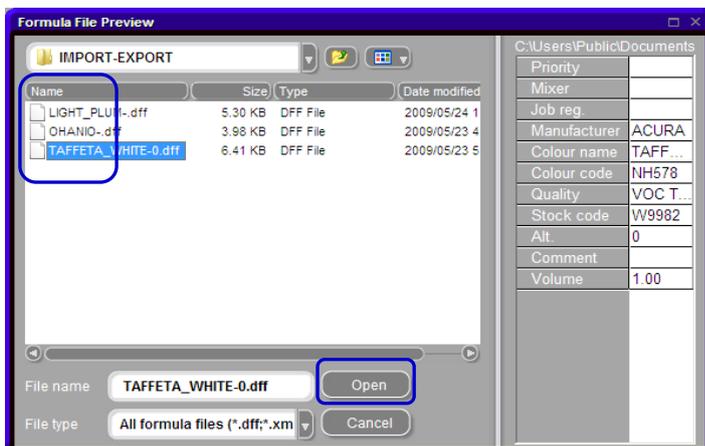
Manufacturer : HONDA  
 Code : 744  
 Colour name : MONTRY GREEN  
 Stock code : F7779  
 Alt. : 0  
 Color Change :  
 Quality : 6000  
 Coat : 2 COAT  
 Finish type : Gloss  
 PB :  
 VS : 6  
 Standard Date : 22/12/1997  
 Formulation Date : 28/03/2003  
 Revision :  
 QC-number : 2157088

You will be asked to save the formula. If you click “Save”, your formula will be saved per default under C:\Documents and Settings\All Users\Documents\DuPont Refinish\Import-Export.



Once the file is saved, you can import it via the “External Formula” button in ColorNet® Pro. The tool will open when clicking on the button.

Select the file you want to import and click “Open”



The formula will be opened in the “Formula” screen. From there, you have 2 options:

Use the formula → after usage, the formula will be gone  
 Save the formula to your personal database → formula can be re-used.

### 3.7 Display of the formula.

By double clicking the required formula (either clicking the main colour in the top table or one of the colours in „detail“ – table in the lower part of the screen) the composition is shown.

ColorNet PRO CD2010-3 (software version 3.0, build 185 - (c)1999-2010 DuPont de Nemours)

#### Formula

Tint code	Tint name	gram (abs.)	gram (cum.)
PT101	WHITE	786,6	786,6
PT182	YELLOW OXIDE LOW STRENGTH	18,3	804,9
PT107	LS BLACK	3,3	808,2
PT128	GREEN SHADE BLUE LOW STRE	1,0	809,2
EL560	HDC BINDER	524,5	1333,7

Manufacturer  
AFNOR  
Col.code  
1665  
Col.name  
BLANC

Stock Code : 10213  
Quality : HDC  
Coat :  
Alternate : 0  
Col.Chng :  
Std.Date : 21/05/2002  
Form.Date : 08/08/2006

Copy to pers.DB  
Volume Suggestion  
Ready for use  
Labels  
Print

1 L/Kg  
To scale

Complete/Change colour  
Info  
VS 1

Back (to prev.screen) Main Menu

In case several qualities are available, the one top in the list is displayed (field left of the formula). By clicking on another quality, the formula is displayed in this quality.

If the stock management module is installed, some info on availability of the formula's ingredients is displayed (green hook: sufficient material available, yellow interrogation mark: stock will go below minimum stock, red cross: no stock).

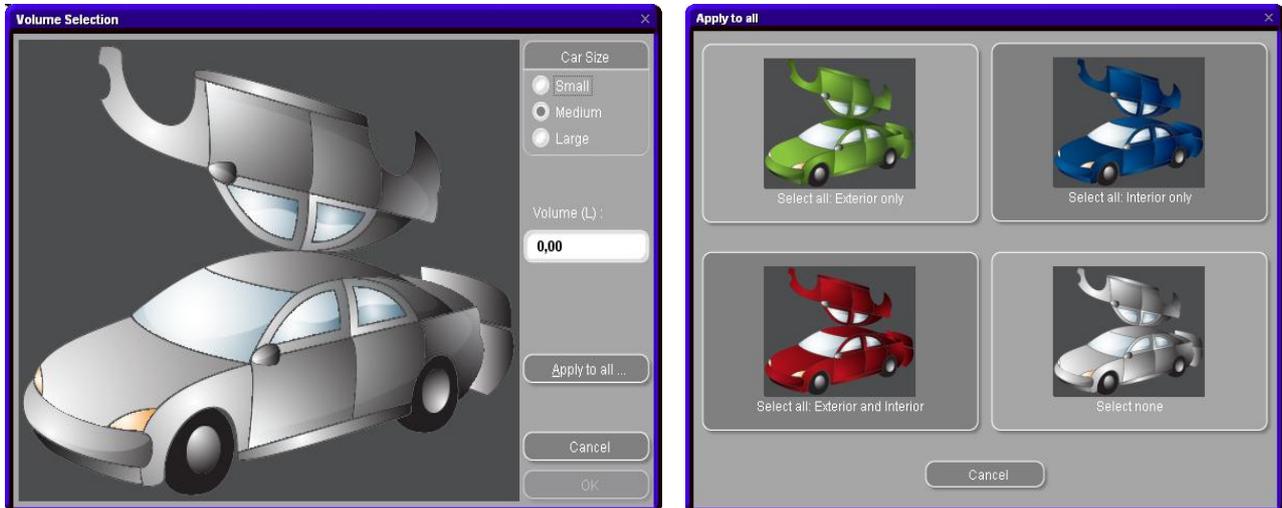
#### 3.7.1 Required Volume.

Type in the required amount of paint (volume or weight) in the field in the middle below the tints field.

Hint: if you require less than 0,25 l the program will warn you that these small amounts may result in colour deviation due to inaccurate weighing.

### 3.7.2 Volume Suggestion

- Press “volume suggestion” to get an idea how much material is necessary to spray a certain carpart.
- Select car size and the car parts (one click exterior, two clicks exterior and interior, three clicks: interior or blend).
- For an overall repair click “Apply to all” and select “exterior”, “interior” or both (indicated by different colours).



The amounts given by default are multiplied with the factor given in (User Factor for Volume Suggestion, p. 35).

- The volume suggestion function can be activated as default pop up (s. Volume Suggestion, p. 14).
- If it is activated but not needed for a certain case, leave the screen with “Cancel” (otherwise the volume will be set to 0 L).
- The suggested volume can be activated before or after having applied the “Ready for Use” function. The volume suggestion calculation is always the “Ready for Use” quantity.

NOTE: If the volume suggestion window always pops up when entering the formula display and you don't want this, deactivate the volume suggestion function in the Configuration Menu (s. Volume Suggestion, p. 14), if it pops up before the formula, but you do not want this.

### 3.7.3 Ready for Use.

ColorNet PRO CD2010-3 (software version 3.0, build 185 - (c)1999-2010 DuPont de Nemours)

**Formula**

Tint code	Tint name	gram (abs.)	gram (cum.)
AM27	BLUE	259, 0	259, 0
AM62	TRANSPARENT RED	64, 4	323, 4
AM74	BLUE PEARL	57, 6	381, 0
AM10	FINE ALUMINIUM		
AM7	BLACK L.S.		
XB155	M.S. BINDER		

Manufacturer: FORD USA  
Col.code: 6799  
Col.name:

Choose a QuickSelect: [dropdown]

Group: 2K ENAMEL | HDC

Type	Style
STANDARD	STANDARD
FLATTENING (EL555)	MULTITONING/SM.PARTS
STRUCTURED	SEMI FLEXIBLE

Activator: ET645, ET650, ET655

Thinner: ET745 (0.7 PARTS), ET750 (0.7 PARTS)

THINNER FAST (0.7 PARTS)

Spray Temp. [radio buttons] 25-30° C, 15-20° C, 20-25° C

Pot Life: 3 hrs.

3.00 | 1.00 | 0.70

HDC	ET645	ET745

OK Cancel

Copy to pers. DB | Volume Suggestion | Ready for use | Labels | Print

1 | Li | Kg | Complete/Change colour | VS 7

To scale | Back (to prev. screen) | Main Menu

The amount of an extra ingredient (matting/plasticizing agent, water, thinner...) that is necessary to achieve the desired effect can be shown as part of the mixing formula and sent to scale.

Find a formula, mark the desired quality; click the icon "Ready for use". The following screen shows again the quality in the first row. Choose the required "Style", "Type", "Thinner" and "Activator". The screen shuts and the extra ingredient is shown as part of the formula. The volume can be adjusted before or after the addition.

In case you want to save one or several commonly used combinations you can do so by pressing the "+"-button beside the top line. Name the combinations. The quickselects are shown in the top line in a drop down list, from where they can be chosen, s. Create a quickselect.

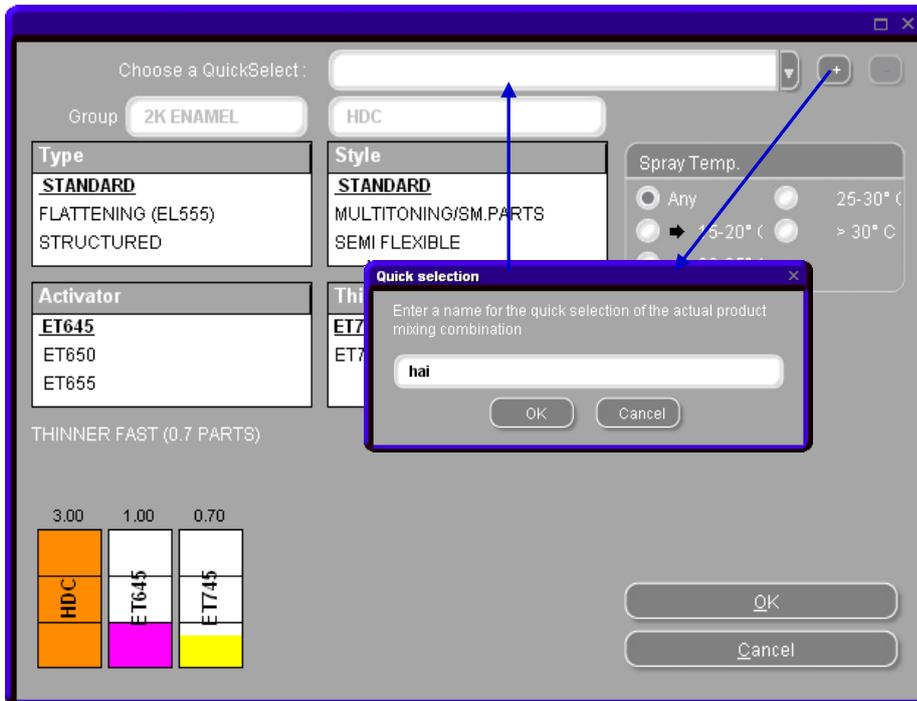
NOTE: Be aware that for weighing of solvent containing material EX-zone requirements according to country specific regulations have to be fulfilled.

### 3.7.3.1 Create a quickselect (often used mixture)

The program allows that you save your favourite product combinations.

- Press the “+”-button (at the right of the very top line (“choose a quickselect”)),
- Enter a name for the productcombination.

For a next time, the quickselect items can be selected from the drop down list.



### 3.7.4 Printing.

By clicking the icon „Print“ you will go to the print preview. The print job will be sent to your standard printer; the formula print out is formatted for DIN A4.

#### 3.7.4.1 Label Printing

The button is only active if a label printer is installed and configured. You can choose between different labels.



Bar codes can be printed for

- Official formulas
- Personal formulas

They cannot be printed for spectro formulas.

### 3.7.5 Copy to personal DB

- Copy the formula to your Personal Database,
- Return to the formula screen,
- Continue to make changes.

How to handle personal formulae: see Create New Formula, p. 64. Personal formulae in a list are marked with “P” at the beginning of the line.

ColorNet PRO CD2010-3 (software version 3.0, build 185 - (c)1999-2010 DuPont de Nemours)

**Formula**

Tint code	Tint name	gram (abs.)	gram (cum.)
PT101	WHITE	786,6	786,6
PT182	YELLOW OXIDE LOW STRENGTH	18,3	804,9
PT107	LS BLACK	3,3	808,2
PT128	GREEN SHADE BLUE LOW STRE	1,0	809,2
EL560	HDC BINDER	524,5	1333,7

Manufacturer  
AFNOR  
Col.code  
1665  
Col.name  
BLANC

Stock Code : 10213  
Quality : HDC  
Coat :  
Alternate : 0  
Col.Chng :  
Std.Date : 21/05/2002  
Form.Date : 08/08/2006

**Copy to pers.DB**

Volume Suggestion

Ready for use

Labels Print

To scale

Li  
Kg

Complete/change colour  
Info

VS  
1

Back (to prev screen) Main Menu

### 3.7.6 Weighing / To scale.

If the button is greyed out, a scale needs to be configured (s. Scale p. 15).

By clicking the button „To scale“ the scale screen opens, as well as the scale that you chose under “settings” starts. Formula info are shown, a scale bar, the tint names, the inputs for the tints and a scale display.

#### 3.7.6.1 Weighing password.

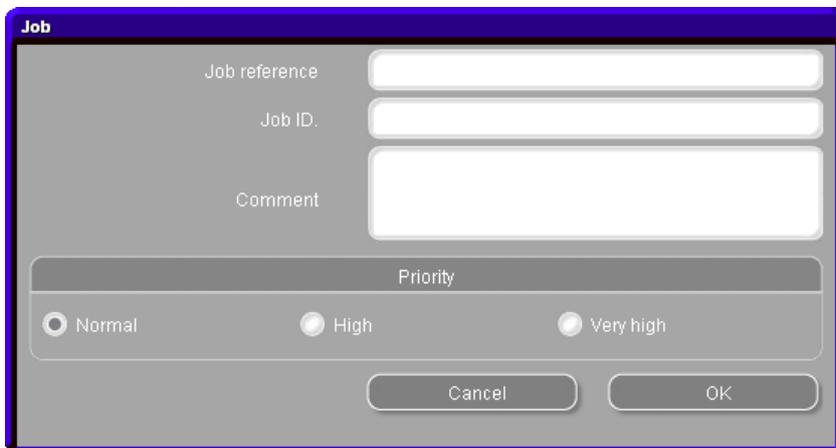
If the option “Force identification on scale” (Identification of users, p. 31) is checked, this identification will be prompted for before opening the scale.



#### 3.7.6.2 Prompting for Job reference.

You will be prompted for the job reference, if the option “Job reference mandatory”. is checked in Send to scale / Job Configuration, p. 33.

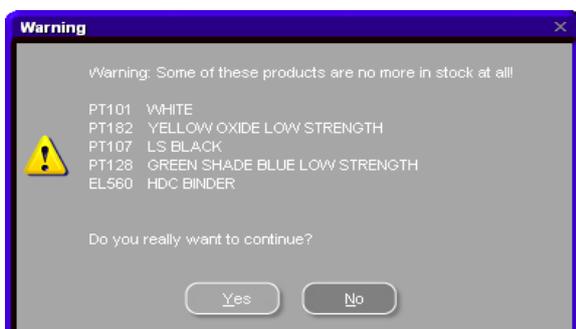
If a list of jobs was imported, you can select the job reference from this list.



In case an EcoMix is connected, you will have to allocate the job to a user.

#### 3.7.6.3 Stock information.

Info on available stock is only displayed if the stock management module is installed and maintained.



### **3.8 *Weight Display***

If you work on a scale without display the computer screen can be used as such. The button is only activated, if you chose "Allow weight display" in the scale settings (s. Allow Manual Weighing, p. 17).

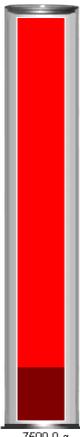
### 3.8.1 Stock update via weighing.

S. a. Update via weighing, p. 83.

The contents of already open cans can be captured for stock management with this option. By pressing “Stock update via weighing” a screen opens displaying a list of all products. Left of the list you can choose the can. For certain can – lid – combination tare weights are stored and deducted from the total weight. If the actual can is not available in the list, select “custom”, put an empty can on the scale, press “Weigh can”, afterwards weigh the can with content.

NOTE: Stock update via weighing is also possible on the EcoMix. Then, the button “Stock update via weighing” will not be visible on the main screen of the software, but on the EcoMix itself.

Stock update

<p>Can size Own can</p> <p style="text-align: center;">Weigh can</p> <p>Can 19.1 g</p> <p>Prod. weight 987.8 g</p> <p>Weighed volume 0.98 l</p> <p>Extra volume <input style="width: 50px;" type="text" value="0"/> l</p> <p>Total volume 0.98 l</p>		<p>Product code WB2043</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>WB1037</td><td>MEDIUM COARSE ALUMINUM</td></tr> <tr><td>WB1039</td><td>COARSE ALUMINUM</td></tr> <tr><td>WB1041</td><td>VERY COARSE ALUMINUM</td></tr> <tr><td>WB1050</td><td>BRIGHTNESS ADJUSTER</td></tr> <tr><td>WB1078</td><td>ALUMINUM GOLD</td></tr> <tr><td>WB1097</td><td>CROMAX PRO FINE EXT BRIGHT ALU</td></tr> <tr><td>WB1098</td><td>CROMAX PRO MED FINE BRIGHT ALU</td></tr> <tr><td>WB1725</td><td>CROMAX PRO SPECIAL VIOLET</td></tr> <tr><td>WB1732</td><td>CROMAX PRO SPECIAL GREEN</td></tr> <tr><td>WB1779</td><td>CROMAX PRO ALUMINIUM ORANGE</td></tr> <tr><td>WB20</td><td>VIOLET</td></tr> <tr><td>WB2010</td><td>CROMAX PRO BC BINDER I</td></tr> <tr><td>WB2020</td><td>CROMAX PRO BC BINDER II</td></tr> <tr><td>WB2030</td><td>CROMAX PRO BC VISCOSITY BALANCER</td></tr> <tr><td>WB2040</td><td>CROMAX PRO BC CONTROLLER STANDARD CONDITIC</td></tr> <tr style="background-color: #e0e0e0;"><td>WB2043</td><td>CROMAX PRO BC CONTROLLER LH</td></tr> <tr><td>WB2045</td><td>CROMAX PRO CONTROLLER LOW HUMIDITY</td></tr> <tr><td>WB2075</td><td>ACTIVATOR</td></tr> <tr><td>WB2091</td><td>BLENDER</td></tr> <tr><td>WB21</td><td>VIOLET BLUE</td></tr> <tr><td>WB24</td><td>ORGANIC BLUE</td></tr> </table>	WB1037	MEDIUM COARSE ALUMINUM	WB1039	COARSE ALUMINUM	WB1041	VERY COARSE ALUMINUM	WB1050	BRIGHTNESS ADJUSTER	WB1078	ALUMINUM GOLD	WB1097	CROMAX PRO FINE EXT BRIGHT ALU	WB1098	CROMAX PRO MED FINE BRIGHT ALU	WB1725	CROMAX PRO SPECIAL VIOLET	WB1732	CROMAX PRO SPECIAL GREEN	WB1779	CROMAX PRO ALUMINIUM ORANGE	WB20	VIOLET	WB2010	CROMAX PRO BC BINDER I	WB2020	CROMAX PRO BC BINDER II	WB2030	CROMAX PRO BC VISCOSITY BALANCER	WB2040	CROMAX PRO BC CONTROLLER STANDARD CONDITIC	WB2043	CROMAX PRO BC CONTROLLER LH	WB2045	CROMAX PRO CONTROLLER LOW HUMIDITY	WB2075	ACTIVATOR	WB2091	BLENDER	WB21	VIOLET BLUE	WB24	ORGANIC BLUE
WB1037	MEDIUM COARSE ALUMINUM																																											
WB1039	COARSE ALUMINUM																																											
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WB1050	BRIGHTNESS ADJUSTER																																											
WB1078	ALUMINUM GOLD																																											
WB1097	CROMAX PRO FINE EXT BRIGHT ALU																																											
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WB2091	BLENDER																																											
WB21	VIOLET BLUE																																											
WB24	ORGANIC BLUE																																											



Send product WB2043 to the stock management

### 3.9 SDS/TDS.

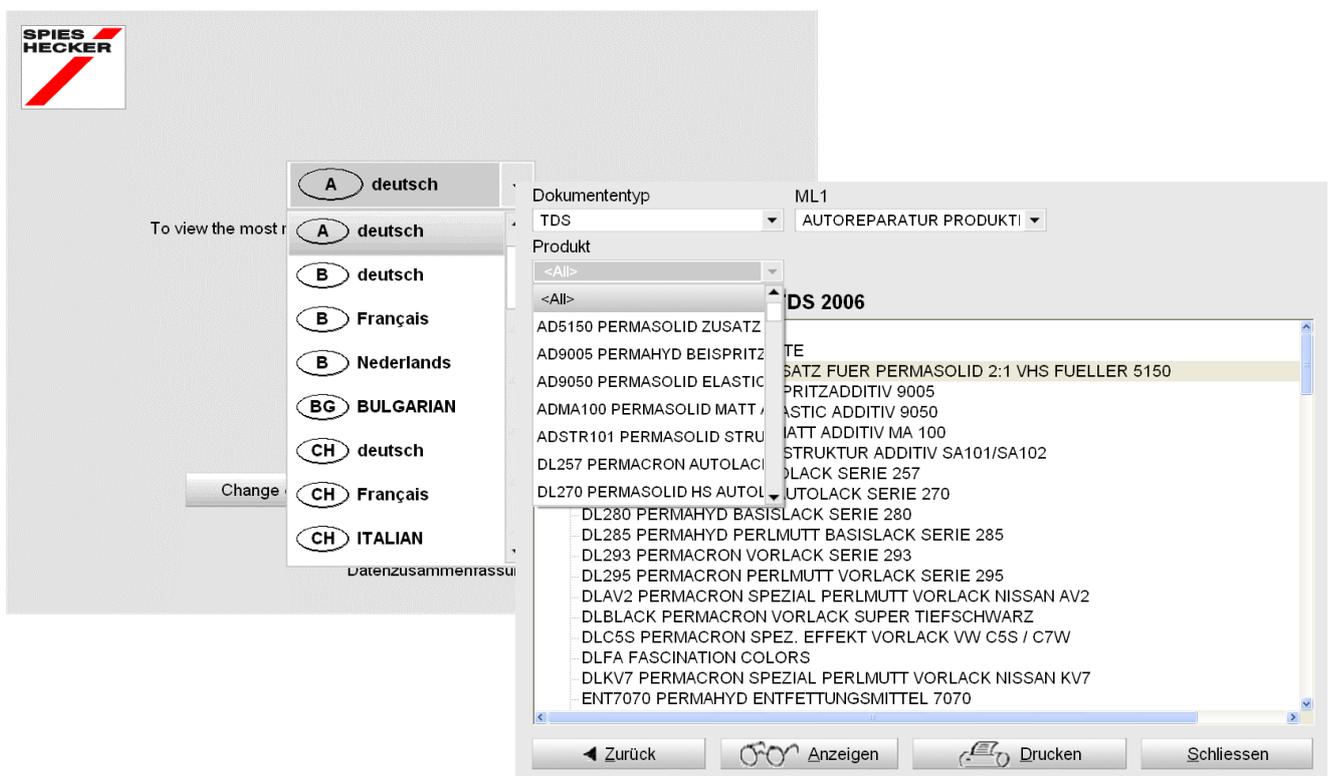
After having pressed the SDS/TDS button, this screen opens:



If the PC is connected to the internet, it is recommendable to retrieve datasheets from there as they are updated regularly.

If this is not possible, click "No thanks". You can then select SDS or TDS by pressing the respective button on the succeeding screen. .

The SDS/TDS DVD has to be inserted in the drive.



### 3.10 Colour Information

Here you get information on the colours for plastic parts and special colours, as well as manuals and tips for installation (by clicking the entries in the column on the right).



	GENERAL INFO - SYMBOLS 2008 GENERAL INFO - FLAT CLEAR MIXING MACHINE MAGNETS CROMAX PRO - DE MIXING MACHINE MAGNETS CROMAX PRO - DK MIXING MACHINE MAGNETS CROMAX PRO - EN MIXING MACHINE MAGNETS CROMAX PRO - ES MIXING MACHINE MAGNETS CROMAX PRO - FIN MIXING MACHINE MAGNETS CROMAX PRO - FR MIXING MACHINE MAGNETS CROMAX PRO - GR MIXING MACHINE MAGNETS CROMAX PRO - IT MIXING MACHINE MAGNETS CROMAX PRO - NL MIXING MACHINE MAGNETS CROMAX PRO - NOR MIXING MACHINE MAGNETS CROMAX PRO - PT MIXING MACHINE MAGNETS CROMAX PRO - RUS MIXING MACHINE MAGNETS CROMAX PRO - SWE
 GENERAL INFO	
 ALFA ROMEO	ALFA ROMEO - 159 SPORTWAGON ALFA ROMEO - 159 ALFA ROMEO - BRERA ALFA ROMEO COLOUR PAGES
 ASTON MARTIN	ASTON MARTIN COLOUR PAGES
 AUDI	AUDI - A1 AUDI - Q7 AUDI - R8 AUDI COLOUR PAGES
 BMW	BMW - LOGO BMW COLOUR PAGES
 BRILLIANCE AUTO	BRILLIANCE AUTO - ZHONGHUA
 CHEVROLET EUROPE	CHEVROLET EUROPE - CAPTIVA CHEVROLET EUROPE - HRR CHEVROLET EUROPE COLOUR PAGES
CHINESE CARMAKES	CHINESE CARMAKES COLOUR PAGES 2006 CHINESE CARMAKES COLOUR PAGES
	CHRYSLER - DODGE NITRO

## 4 Maintenance Menu [F3]

### 4.1 Personal Database Maintenance

The personal database contains your own personal formulae. In this screen formulae can be created from scratch, edited, deleted, exported, and others can be imported. Existing formulae from the official database can be copied to the personal database and edited.

Personal formulae from the old ColorNet® Pro program can be converted to ColorNet® Pro, see Conversion of ColorNet® Pro personal database, p. 119.

Lab-values of your own measurements can be attached to personal formulae, s. Read ChromaVision® data, p. 67.

**Personal database maintenance**

Search: New search

Manufacturer: [Dropdown]  
 Colour Code: [Dropdown]  
 Colour Name: [Dropdown]

	Stock	Quality	Manufacturer	Col. code	Col. name
P	( OWN )	500	ALEKO	123	456
P	( OWN )	500	ALFA ROMEO	---	---
P	( OWN )	600	ALLIED VAN LINES AUST	---	---
P	( OWN )	6000	APRILIA MOTORCYCLES	---	---

Selection: [Icons]

**Formula preview**

Note: The owner of this formula is Imported.

Tint code	gram (abs.)	gram (cum.)
1030R	25,000	25,000
3050S	36,000	61,000
1040R	50,000	111,000

Buttons: Create new formula, Edit actual formula, Delete this formula, Read ChromaVision

Buttons: Import, Main Menu

#### 4.1.1 Create New Formula

There are four possibilities to create a new formula:

1. You edit an existing formula: search menu -> search -> input of criteria -> Formula -> copy to personal DB
2. You create an entirely new formula: maintenance menu -> personal DB maintenance -> create new formula
3. You import a formula that was exported from another PC: *maintenance menu -> personal database maintenance -> import* (s. Import of personal formulas, unterhalb)
4. You import the formulae from the personal database from the current (old) ColorNet: *maintenance menu -> personal database maintenance -> import* (s. Import of personal formulas, unterhalb).

In the first two cases a screen will open where you have to give information on the formula. For case 1. several entries are copied from the original formula, for case 2. you have to provide the data.

Formulae from the personal database are marked with "P" at the beginning of the line in the list of formulae that match your search criteria. If you want to select your personal formulae only, choose "Personal" as database type.

ColorNet PRO CD2010-3 (software version 3.0, build 185 - (c)1999-2010 DuPont de Nemours)

**Personal formula**

Manufacturer / Reference: **ADKAM**  
 Col.name / Description: **123**  
 Colour Code: **123**  
 Quality: **400**  
 Org. Stock code / Quality / Alternate / Uses Lead / Coat: / / / No /

This is my personal formula

**Ingredient** | **Ingredient name** | **gram (abs.)**

Ingredient	Ingredient name	gram (abs.)
1010R	H.S. ACTIVATOR	25,00

Buttons: Edit header and note, Add line, Delete line, Up, Down

Actual volume (L):  Absolute  Cumulative  
 0,031

Buttons: Use formula, Save, Cancel

When pressing the button "Edit header and note", the following screen opens:

**Personal formula reference**

Manufacturer / Reference: **ALFA ROMEO 209**  
 Colour Code: **IMPORTED**  
 Col.name / Description: **VERDE MUSCHIO 1968**  
 Bar code: **//7A9B3EB7**  
 Quality: **1700**

Note: **existing formula with "/"**

Org. Stock code: **J5496** | Org. Alternate: **0**  
 Org. Quality: **1700** | Org. Uses lead: **No**  
 Org. Coat: **:**

Buttons: OK, Cancel

All header info of personal formulas can be edited manually.

#### 4.1.1.1 Bar code

For personal formula copied from a formula from the official database, this field is filled with the stock code of the original.

The bar codes of personal formula that existed before this function was introduced, consist of a number starting with “//”.

For personal formulas created from scratch , this field is filled with “---”.

In all cases the info can be changed. Alpha numerical combinations with up to 15 digits can be entered.

The info will be printed as a barcode as well as clear text on the large color label as well as on the bar code label (s. a. Label Printing, p. 56).

The corresponding formula can be retrieved using the bar code via the “Chips” search (s. a. Full Search, p. 38) field by either

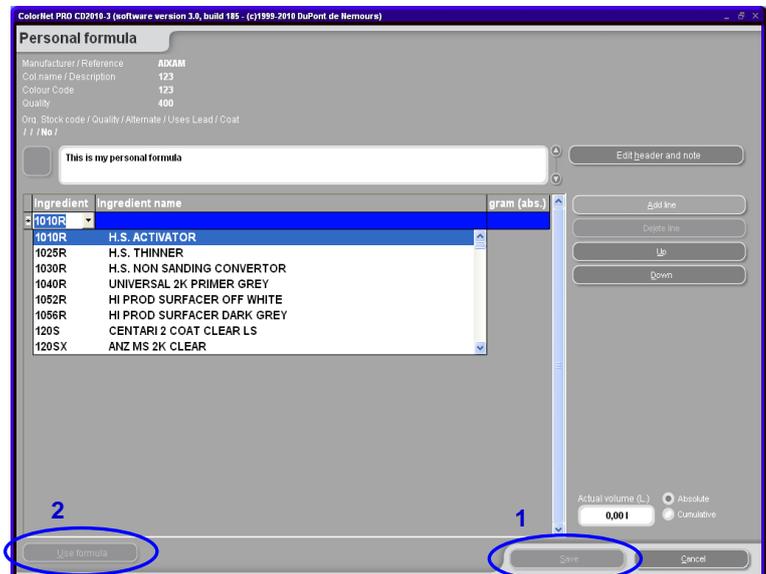
- Scanning the bar code from the label

Ulis bunte Welt	21.01.2011	PEUGEOT		
CROMAX		CROMAX	LKR	0
<b>PEUGEOT</b>	<b>LKR</b>			
<b>ROUGE BABYLONE (+FAC I O</b>		ULISBUNTEFORMEL		
<b>X0314</b>	20.01.2011	-1962464759		
1,000 L				
				
ULISBUNTEFORMEL				

- Typing the clear text info
- Selecting the code from the drop down list.

#### 4.1.2 Edit actual formula

Mark the input line that you want to change and change the amount.



ColorNet PRO CD2010.3 (software version 3.0, build 185 - (c)1999-2010 DuPont de Nemours)

**Personal formula**

Manufacturer / Reference: ADAM  
 Col.name / Description: 123  
 Colour Code: 123  
 Quality: 400  
 Orig. Stock code / Quality / Alternate / Uses Lead / Cost: / / / No /

This is my personal formula Edit header and note

Ingredient	Ingredient name	gram (abs.)
1010R	H.S. ACTIVATOR	
1025R	H.S. THINNER	
1030R	H.S. NON SANDING CONVERTOR	
1040R	UNIVERSAL 2K PRIMER GREY	
1052R	HI PROD SURFACER OFF WHITE	
1056R	HI PROD SURFACER DARK GREY	
120S	CENTARI 2 COAT CLEAR LS	
120SX	ANZ MS 2K CLEAR	

Actual volume (L):   Absolute  Cumulative

2 Use formula 1 Save Cancel

#### **4.1.2.1 Add Product**

- Click the button “Add product”: an empty line appears at the end of the formula.
- Position the cursor in the empty field of the “Mix” – column.
- Choose a new product from the list that is displayed when the little arrow is clicked. The name of the new product appears automatically.
- Type in the amount (in gram).

#### **4.1.2.2 Delete Product**

Mark the product that you wish to delete and press the icon „Delete product“.

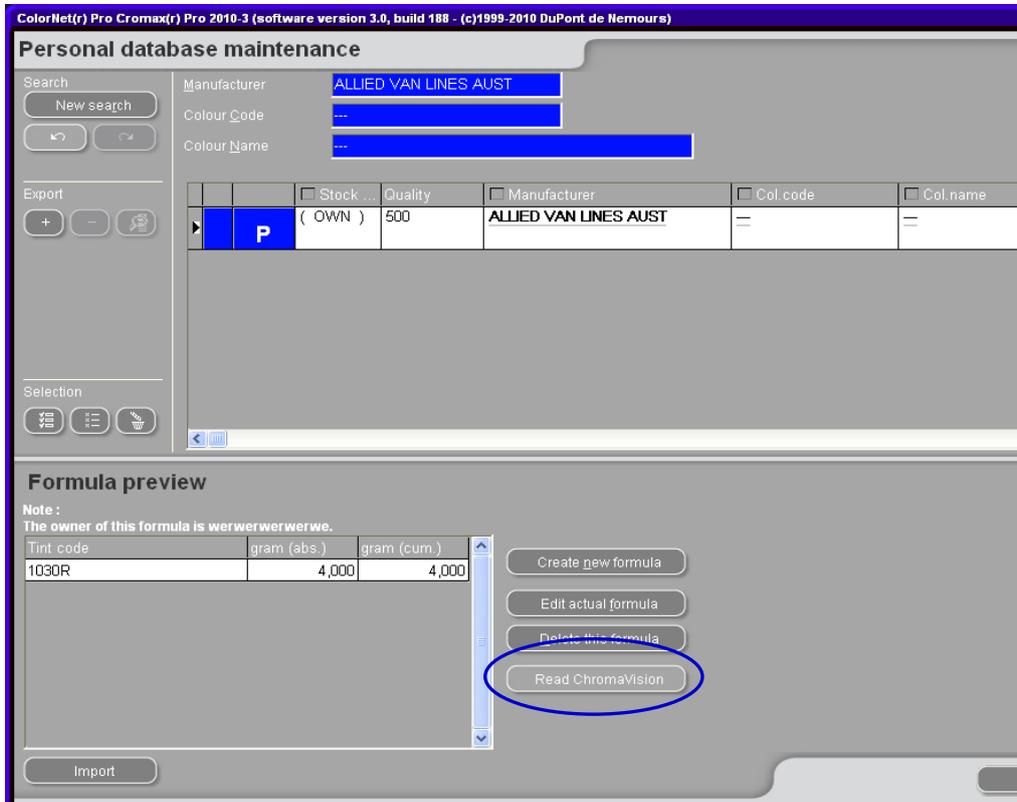
#### **4.1.2.3 Save the changes**

After doing the changes, you need to click “save” - the complete mix is recalculated to 1 litre. Then you can chose to close (return to the previous screen) or “use formula” for immediate use of the changed formula.

#### **4.1.3 Delete this formula**

By pressing this button the complete formula is removed from the database.

#### 4.1.4 Read ChromaVision® data.



A spectro reading can be allocated to a personal formula:

Personal data -> Edit formula

- Press the “Read...” – button (s. above) to open the spectro module.
- Select a reading and link it to your personal formula by confirming with “Get reading”.



- Confirm the color type (solid or effect color).

The spectro measurement is now stored with your personal formula.

The color representation is now available (chip display) and you will be able to retrieve this formula with spectro search.

If you saved a formula from the official database into your personal database, the Lab – values are already attached. They can be removed and replaced by your own.

When a reading is attached to a personal formula the button changes to “Remove...” with which a reading can be removed from a personal formula.

Colorlet PRO CD2010-3 (software version 3.0, build 185 - (c)1999-2010 DuPont de Nemours)

### Personal database maintenance

Search  
New search

Manufacturer: VOLVO TRUCKS  
Colour Code: LH6V  
Colour Name: PEPPERMINT GREEN

Export  
+ -

	<input type="checkbox"/> Stock ...	Quality	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Col. code
	X4329	IMRONEL	VOLVO TRUCKS	LH6V

Selection

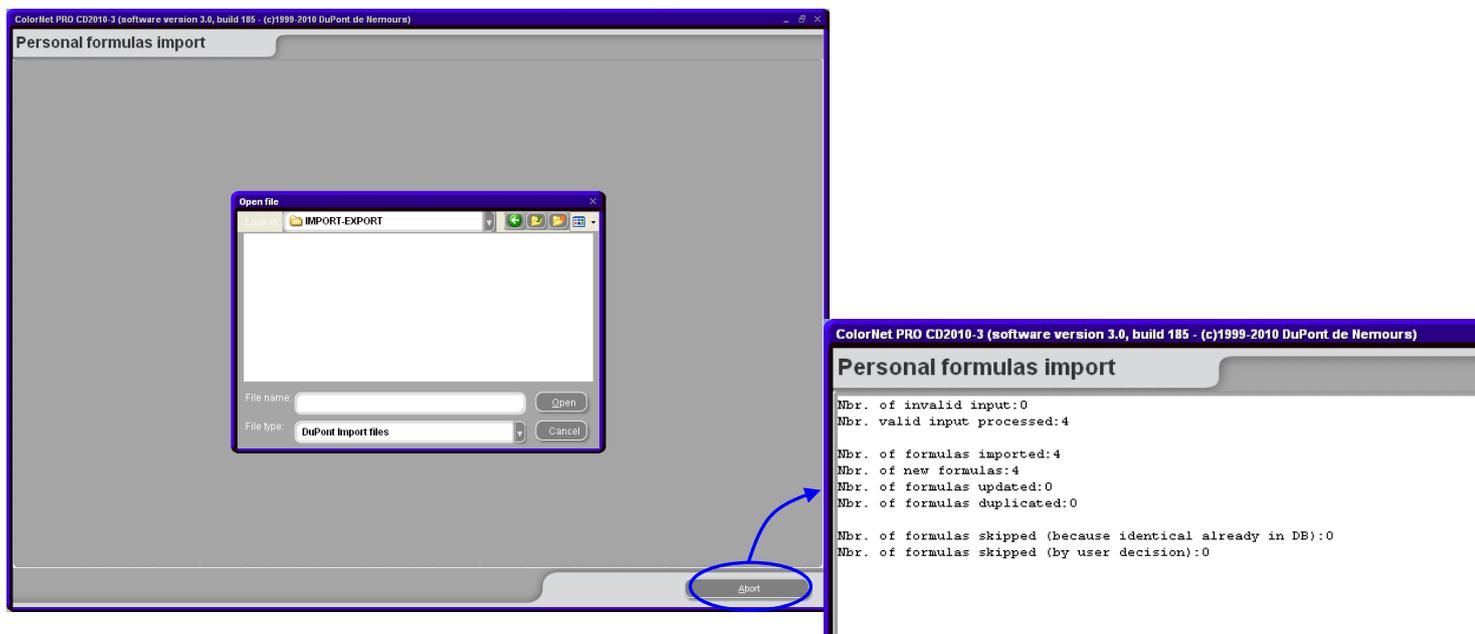
Personal formula with ChromaVision® reading

#### 4.1.5 Import of personal formulas

By default the program searches import files in the Import-Export folder on the desktop. You may choose any possible source, though.

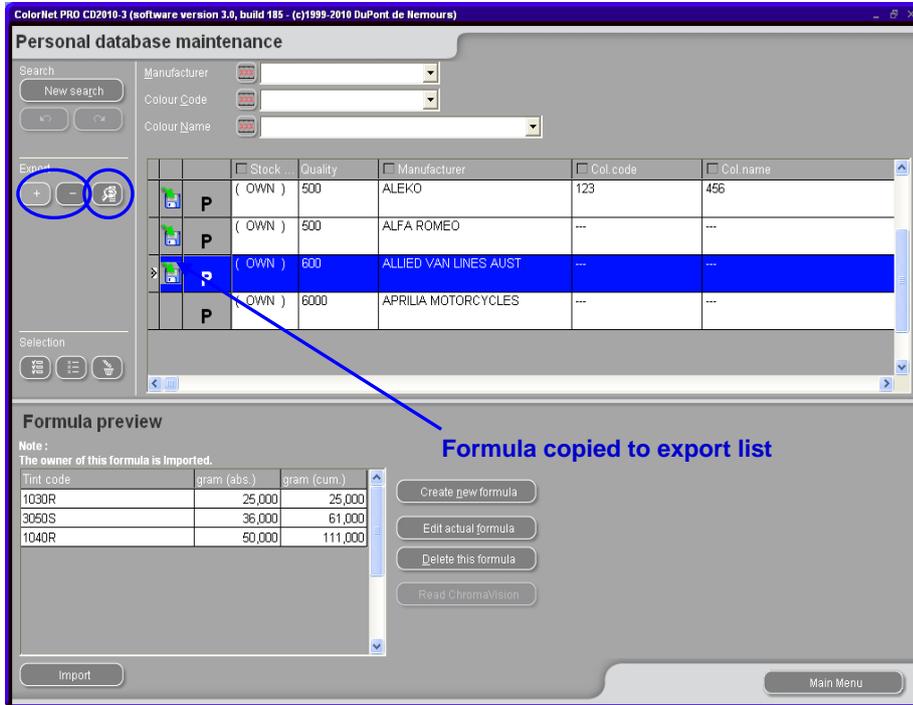
Press open to import formulae to the personal database.

The program will give you information about the imported formulae (identical ones are skipped).



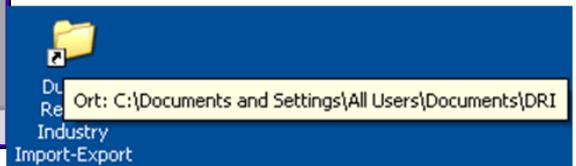
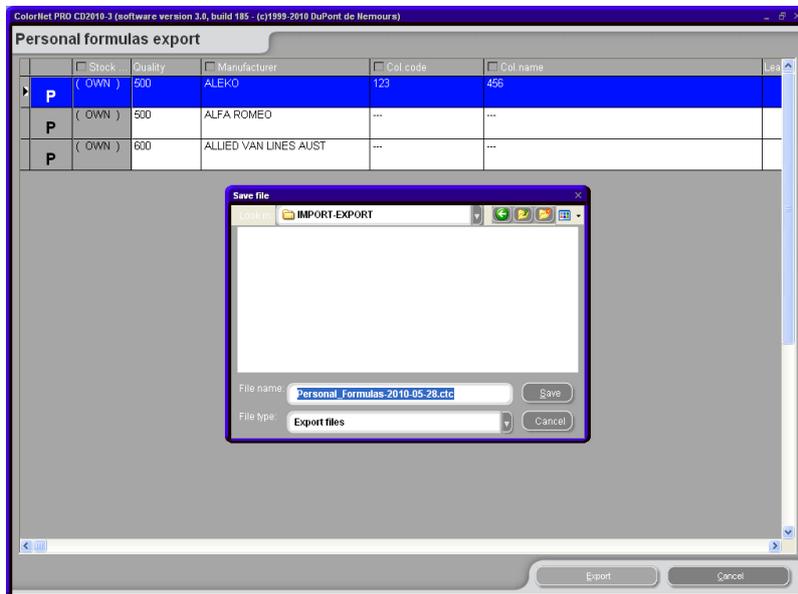
### 4.1.6 Export of personal formulas

Choose the formula from the list that you want to export by highlighting them and then press  .



Press  to view the export list and continue with the export.

The new file has a .ctc – extension and cannot be opened outside the ColorNet® Pro program. By default it is stored into a folder with a short cut on your desktop. From there it can be copied to any storage media or sent by email to be imported into a ColorNet® Pro program.



NOTE: The ColorNet® personal database can be converted for further use in ColorNet® Pro, s. Conversion of ColorNet® Pro personal database, p.119.

#### 4.1.7 Price Management.

If you enter prices for your used material here the program will calculate formula costs in several currencies, as well as taking your margin into account.

##### 4.1.7.1 Price Editor.

On the first tab ("Price Editor") you enter the current price/litre. Enhance your search for single products by typing in the code in the field underneath the pricelist ("Search for this product").

Prod.code	Prod.name	Price/Liter
1010R	H.S. ACTIVATOR	4,00
1025R	H.S. THINNER	4,00
1030R	H.S. NON SANDING CONVERTOR	4,00
1040R	UNIVERSAL 2K PRIMER GREY	4,00
1052R	HI PROD SURFACER OFF WHITE	4,00
1056R	HI PROD SURFACER DARK GREY	4,00
120S	CENTARI 2 COAT CLEAR LS	4,00
120SX	ANZ MS 2K CLEAR	4,00
1220R	HIGH SOLIDS FILL PRIMER	4,00
1225R	H.S. FILL PRIMER THINNER	4,00
125S	STANDARD ACTIVATOR	4,00

Search for this product code:

Buttons: Export, Import, Save & Exit, Cancel

##### 4.1.7.2 Settings.

On the next tab you have the possibility to choose your base currency and to have prices converted into other currencies and define where the result is to be shown (with the formula, on the label (not yet), on the formula print out).

In the top part ("Base currency") you define the settings regarding your base currency. It is possible to enter an expression other than the predefined. This doesn't have to be a real currency, you may enter "purchase price" and use the "2<sup>nd</sup> currency" as sales price.

If you make entries to the "converted/2<sup>nd</sup> currency"- part a column with the converted/2<sup>nd</sup> currency will be added on the 1<sup>st</sup> tab.

Base currency

Name:   Show price on the formula screen  
 Print price on formula print out

2. currency

Name:   Show price on the formula screen  
 Print price on formula print out  
 Factor:

Price Group

Show price group on the formula screen  
 Print price group on formula print out

Buttons: Export, Import, Save & Exit, Cancel

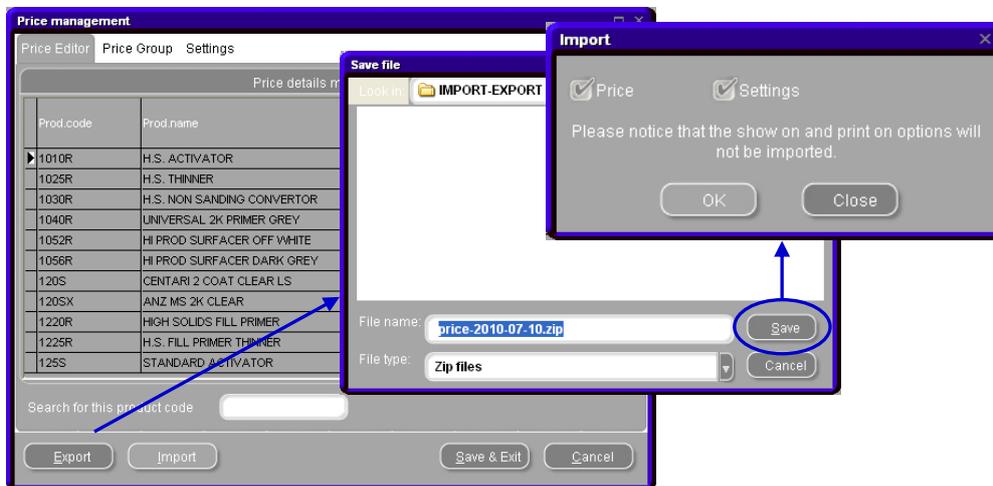
### 4.1.7.3 Export/Import.

You can import and export prices, price groups and / or the settings; the exported data are stored as zip-files (packed) in the Import-Export folder on your desktop.

- Press the “Export” – button,
- select the destination,
- select the data to be exported.

There will be a separate file for each set of data (from the separate tabs) which can be edited outside ColorNet® Pro.

- Unpack the .zip-folder,
- open the files,
- edit (looks like excel),
- store as .csv-file,
- repack (zip), store in the “Import-Export”-folder (default directory) or any other location,
- import the edited files (either as .zip (several at once) or .csv-files (separate)).



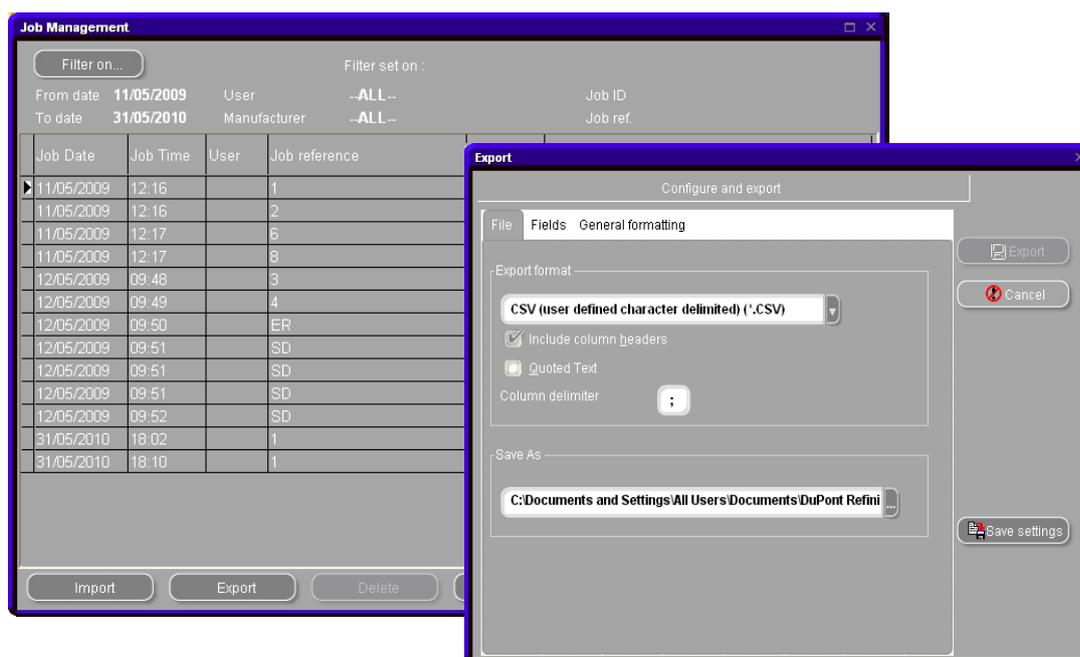
## 4.2 Job Maintenance.

Job Management is automatically installed on ColorNet<sup>®</sup> Pro, when installing the Reporting Module. Once activated, you can find it back under the maintenance menu of the tool. Jobs from ColorQuick or ColorNet<sup>®</sup> can be converted to ColorNet Pro<sup>®</sup>, see Job database convertor, p. 120.

Header information of all jobs that have been sent to scale can be altered and / or exported from here. To do changes you can either double-click the line to be revised directly or first filter on certain criteria to reduce the number of lines.

### 4.2.1 Job export.

It is possible to export job information to several formats to be able to use the data in external systems. Press the export button (bottom left), a screen with three tabs opens. On the first tab ("File") you select the desired document format and the destination directory (by default it is the "Import-Export" folder that is generated during installation of the program, but any other destination is possible). With .ctc-format all information will be exported, it cannot be edited outside the program. .ctc-files can only be read by the colour software. On the second tab ("Fields") select the information you wish to export. If desired you may change the formatting of the export file on the 3rd tab "General formatting".



NOTE: The import-export functionality is an easy and safe way to exchange info between different PCs; but also to transfer the info from your old colour tool to the ColorNet<sup>®</sup> Pro. (s. Job database convertor, p. 120).

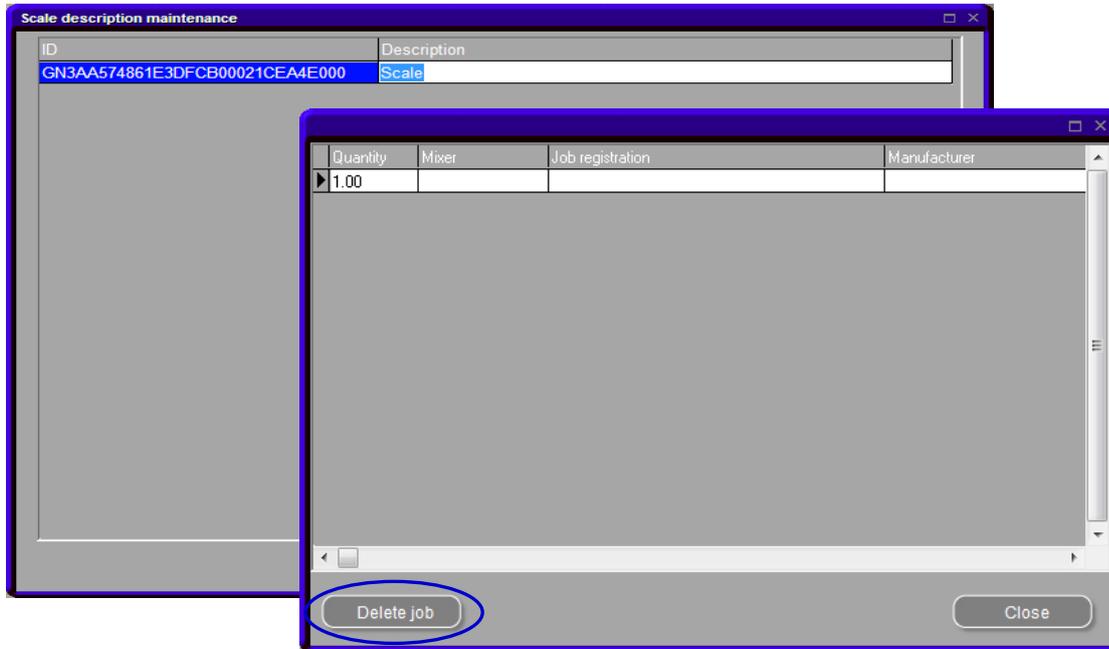
### 4.2.2 Job import.

Jobs from another PC can be imported if the export file is in .ctc-format.

### 4.3 Queue maintenance

Queue maintenance is automatically installed after the installation of EcoMix on ColorQuick Pro and ColorNet® Pro. Once activated, you can find it back under the maintenance menu of the tool.

Queue maintenance allows you to delete a job that was sent to the EcoMix, from the PC side. This is a function that is only available for the Manager.



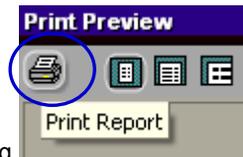
## 5 Data [F4]

### 5.1 Reports.

Several reports can be displayed, printed and saved.

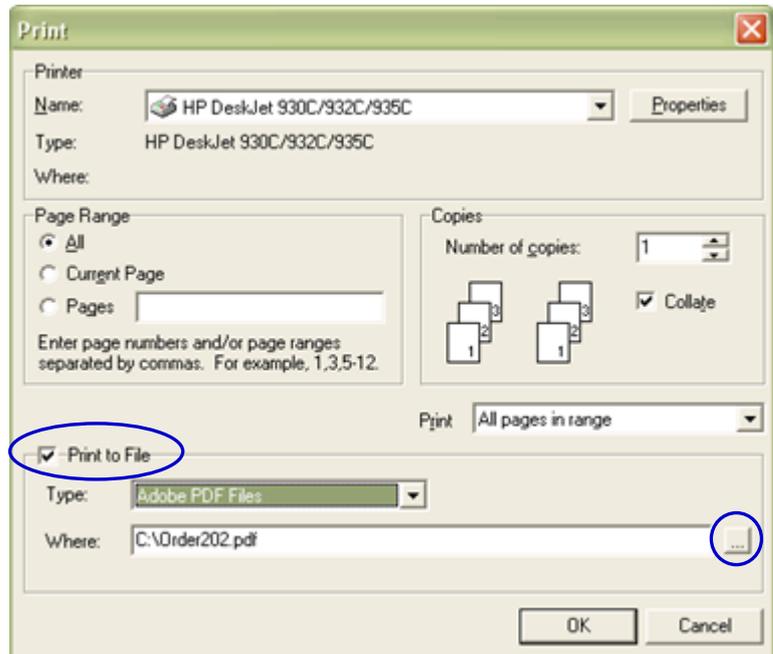
In the top part of the screen you choose the type of report, in the bottom part you limit the search. The criteria are different for different reports.

You may select "print with prices". Products of which prices are not maintained, are displayed with "???"; sums cannot be calculated as soon as the price of one product is not maintained. (Note: some reports don't display prices at all).



All reports can be printed in DIN A4 format by clicking  at top left or saved as .pdf documents by checking "Print to File". Define a destination directory in the line "Where" (to browse, press the square with dots).

On top, the Consumption Report (Consumption Report, p. 76) can be saved as .txt document ("Text File"). .txt-files can be transferred to other formats, e. g. excel, and thus be processed in with external programs.



#### 5.1.1 Job Summary Report.

Criteria: time range; scale operator; manufacturer; order by date or job reference  
For each job necessary and practically used amounts and costs of materials are listed.

#### 5.1.2 Job Detail Report.

Criteria: time range; scale operator; accuracy; order by date or job reference.  
For each job necessary amounts of material are listed versus practically used amounts (for each product separately).

### **5.1.3 Deviation Summary Report.**

Criteria: deviation in percent (deviations in usage higher than this criterion will be listed) time range; scale operator; accuracy (if more than one possible accuracy occurred so far).

Possible accuracies:

- OK: weighed in okay
- OK (R): finally weighed in okay, but recalculated. A number behind the „R“ gives the number of recalculations done for this formula.
- NOK (I): not okay, ignored. Weighed in incorrectly, but not recalculated.

Report on summed up material usage per job.

### **5.1.4 Consumption Report.**

Criteria: time range, scale operator.

For each product practically used amounts and costs (“value”) are listed – added up over all jobs.

### **5.1.5 Average Mix Report.**

Criteria: time range, scale operator; ordered by scale operator and product group and product group only. Summarizes the amounts per scale operator and product category or product category only.

### **5.1.6 Solvent Report**

Criteria: time range

Lists the emitted solvent in kg for single products within the given time range.

## 5.2 Stock Management

Stock Management is a tool that allows you to manage incoming and outgoing stock. It helps you to get a better view on the total amount and value of goods in stock and to avoid that products are out of stock.

### 5.2.1 Installation

When using a calculated password - s. calculated password , p. 11 - you have the possibility to install the stock management module on top of all other modules.

### 5.2.2 Useful Configurations

### 5.2.3 Suppliers and stock options.

In the Suppliers and Stock options, you can enter addresses and settings:

#### 5.2.3.1 Address.

Before you can do any ordering you have to fill in addresses:

First select an address form from the top field, then enter the data belonging to that address form in the following fields. For the next address form just go back to the first field and choose another role. There is no intermediate saving necessary, only when you leave the screen.

In this screen you can also delete addresses (buttons at the bottom).

Minimum one address for each form needs to be maintained (billing, delivery, supplier).

The screenshot shows a software window titled "Suppliers and stock" with a close button in the top right corner. The window is divided into two tabs: "Address" (which is active) and "Settings". The "Address" tab contains a form with the following elements:

- A dropdown menu labeled "Select the address role" with "BILLING1" selected.
- A text input field for "Name" containing "BILLING1".
- A text input field for "Address".
- A text input field for "Contact person".
- A text input field for "Telephone" containing "222222".
- A text input field for "Fax".
- A text input field for "VAT number".
- A text input field for "E-Mail" containing "xxd@esearch.com".

At the bottom of the window, there are three buttons: "Clear", "Save & Exit", and "Exit".

### 5.2.3.2 Settings.

#### 5.2.3.2.1 Stock update from scale.

Settings tab allows you to indicate:

- Stock update from scale
- A function that allows you to update your stock from already opened cans (s. a. Stock update via weighing, p. 60).
- Warn when below minimum stock
- A function that gives you a warning when the stock goes below minimum stock (if a minimum stock is set)



#### 5.2.3.2.2 Warn when below minimum stock.

If this option is active, a hint will pop up when sending a job to scale to inform which materials will go below minimum stock by weighing this job.

Minimum stock needs to be maintained.

#### 5.2.3.2.3 Allow negative stock

Activating this option makes the stock module register negative stock.

### 5.2.3.3 Scale or EcoMix

A scale or EcoMix terminal must be configured to deduct weighed quantities from stock and to make a stock update via the scale (opened cans).

Remark: virtual scale can NOT be used for stock update via weighing/EcoMix.

S. a. Scale, p. 15 and / or Configuration of the EcoMix terminal, p.96.

### 5.2.3.4 Users definition

Define Users and Levels, so stock management access can be limited to authorised users only.

S. a. Users, p.30.

### 5.2.4 Stock parameters

Stock parameters will determine the stock level. For a good working process, it is advised to determine these parameters BEFORE you start working with stock.

Parameters are:

#### 5.2.4.1 Product and can size selection

The list of products that are shown in stock management can be influenced by the following settings:

- VOC flag, s. VOC Compliancy, p. 13;
- Pb flag, s. Lead free only., p. 14;
- Qualities, s. Qualities [F7], p. 35;
- Products, s. Product Visibility, p. 36;

The preferred can sizes will influence the stock in the re-order quantity. For each product, only 1 preferred can size can be selected. To change the preferred can sizes, go to Stock/Article view and review all products (don't forget to save your changes).



**Stock**

Stock    Stock Update    Ordering    Product Delivery

Quick select product:     **Article view**

Prod.code	Prod.name	Unit	Re order	Pref article	Pref cansize	Average const. (p...
▶ 1010R	H.S. ACTIVATOR	L	20,000	1010R 1.00 LI	1,000	0,000
1020R	HIGH SOLIDS PRIMER	L	20,000		1,000	0,000
1025R	H.S. THINNER	L	20,000	1025R 5.00 LI	5,000	0,000
1030R	H.S. NON SANDING CONVERTOR	L	20,000	1030R 5.00 LI	5,000	0,000
1035R	H.S. NON SANDING CONV. SLOW	L	20,000		1,000	0,000
1040R	UNIVERSAL 2K PRIMER GREY	L	20,000	1040R 4.00 LI	4,000	0,000
1052R	HI PROD SURFACER OFF WHITE	L	20,000	1052R 1.00 LI	1,000	0,000
1056R	HI PROD SURFACER DARK GREY	L	20,000	1056R 1.00 LI	1,000	0,000
1095R	ACTIVATOR	L	20,000		1,000	0,000
1125S	ANZ 2K URETH P/ FILL ACTIVATOR	L	20,000		1,000	0,000
1141S	ANZ VS 2K URETH P/ FILL WHITE	L	20,000		1,000	0,000
1144S	ANZ VS 2K URETH P/ FILLER GREY	L	20,000		1,000	0,000
1147S	ANZ VS 2K URETH P/ FILL BLACK	L	20,000		1,000	0,000
1155R	RUBBER DRESSING	L	20,000		1,000	0,000

Reset    Reports    Save    Exit

### 5.2.4.2 Minimum Stock.

Minimum stock is the stock level at which it is time to re-order products in order to avoid a stock outage.

The quantity depends on:

- Importance of the product
- Cost of the product
- Normal / Exceptional
- Replenishment frequency
- Lead time
- Average consumption

How to enter minimum stock:

- Go to stock and select the Stock View
- Enter a minimum stock for the required products

The screenshot shows the 'Stock' application window with a 'Stock view' dropdown menu. The main table displays the following data:

Prod.code	Prod.name	Act stock	Unit	Min stock	To scale	Open order	Value	Average consumption
1010R	H.S. ACTIVATOR	20,000	L	20,000	0,000	0,000	80,00	0,00
1020R	HIGH SOLIDS PRIMER	20,000	L	20,000	0,000	0,000	0,00	0,00
1025R	H.S. THINNER	20,000	L	20,000	0,000	0,000	80,00	0,00
1030R	H.S. NON SANDING CONVERTOR	20,000	L	20,000	0,000	0,000	80,00	0,00
1035R	H.S. NON SANDING CONV. SLOW	20,000	L	20,000	0,000	0,000	0,00	0,00
1040R	UNIVERSAL 2K PRIMER GREY	20,000	L	20,000	0,000	0,000	80,00	0,00
1052R	HI PROD SURFACER OFF WHITE	20,000	L	20,000	0,000	0,000	80,00	0,00
1056R	HI PROD SURFACER DARK GREY	20,000	L	20,000	0,000	0,000	80,00	0,00
1095R	ACTIVATOR	20,000	L	20,000	0,000	0,000	0,00	0,00
1125S	ANZ 2K URETH P/ FILL ACTIVATOR	20,000	L	20,000	0,000	0,000	0,00	0,00
1141S	ANZ VS 2K URETH P/ FILL WHITE	20,000	L	20,000	0,000	0,000	0,00	0,00
1144S	ANZ VS 2K URETH P/ FILLER GREY	20,000	L	20,000	0,000	0,000	0,00	0,00
1147S	ANZ VS 2K URETH P/ FILL BLACK	20,000	L	20,000	0,000	0,000	0,00	0,00
1155R	RUBBER DRESSING	20,000	L	20,000	0,000	0,000	0,00	0,00

### 5.2.4.3 Re-Order.

The re-order quantity is the quantity suggested when an order is created.

The quantity depends on:

- Importance of the product
- Cost of the product
- Normal/exceptional
- Replenishment frequency
- Lead time
- Average consumption
- Life time/expiration date

How to set the re-order quantity:

- Go to stock and elect the full view
- Enter the re-order quantity in the appropriate column.
- (Please, take in account the preferred can size. The re-order quantity needs to be a multiple of this can size.)

The screenshot shows the 'Stock' application window with a 'Stock view' dropdown menu. The main table displays the following data:

Prod.code	Prod.name	Unit	Act stock	To scale	Open order	Min stock	Re order	Pref article	Pref cansize
1010R	H.S. ACTIVATOR	L	20,000	0,000	0,000	20,000	20,000	1010R 1.00 LI	1,000
1020R	HIGH SOLIDS PRIMER	L	20,000	0,000	0,000	20,000	20,000		1,000
1025R	H.S. THINNER	L	20,000	0,000	0,000	20,000	20,000	1025R 5.00 LI	5,000
1030R	H.S. NON SANDING CONVERTOR	L	20,000	0,000	0,000	20,000	20,000	1030R 5.00 LI	5,000
1035R	H.S. NON SANDING CONV. SLOW	L	20,000	0,000	0,000	20,000	20,000		1,000

The re-order quantity impacts the average amount of goods in stock.

NOTE: If the re-order quantity is not maintained, the quantity suggested when an order is created will bring the stock to the minimum stock level. (In this case, you continuously need to re-order material, as soon as you consume it).

## 5.2.5 Stock Update.

### 5.2.5.1 Manual stock update

It is possible to use the manual stock update for incoming and outgoing stock.

The manual change can either be done in the “Act stock” column in the Stock view or in the “Stock Update” section where you can then enter a product, quantity and operator.

- “Act stock” column in the Stock view



The screenshot shows the 'Stock' window with a table of inventory items. The 'Act stock' column is circled in blue. The table has the following data:

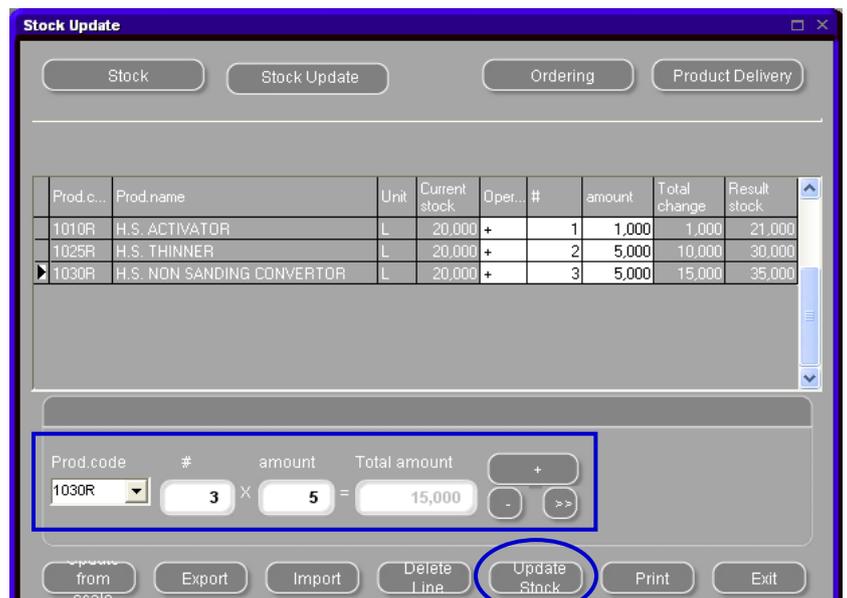
Prod.code	Prod.name	Act stock	Unit	Min stock	To scale	Open order	Value	Average consumption
1010R	H.S. ACTIVATOR	20,000	L	20,000	0,000	0,000	80,00	0
1020R	HIGH SOLIDS PRIMER	20,000	L	20,000	0,000	0,000	0,00	0
1025R	H.S. THINNER	20,000	L	20,000	0,000	0,000	80,00	0
1030R	H.S. NON SANDING CONVERTOR	20,000	L	20,000	0,000	0,000	80,00	0

- Via “Stock Update” section and enter product, quantity and operator.
- Select a product code from the dropdown box.
- Enter a quantity in the “#” field.
- “Enter” = Add stock ( + ). With a mouse click or tab, you can select “ - “ to deduct stock, or “ >> “ to replace stock.
- When the action is complete, click “Update Stock”, to update your stock.

Important:

When updating stock manually, the default is to “Add” stock to the existing stock.

When updating stock via the scale, the default is to “Replace” >> stock. The current stock will thus be replaced by then new stock.



The screenshot shows the 'Stock Update' window with a table of stock update entries and a calculation area. The 'Update Stock' button is circled in blue. The table has the following data:

Prod.c...	Prod.name	Unit	Current stock	Oper...	#	amount	Total change	Result stock
1010R	H.S. ACTIVATOR	L	20,000	+	1	1,000	1,000	21,000
1025R	H.S. THINNER	L	20,000	+	2	5,000	10,000	30,000
1030R	H.S. NON SANDING CONVERTOR	L	20,000	+	3	5,000	15,000	35,000

The calculation area shows:

Prod.code: 1030R, #: 3, amount: 5, Total amount: 15,000

Buttons: +, -, >>

Buttons: from scale, Export, Import, Delete Line, Update Stock, Print, Exit

### 5.2.5.2 Import of a CSV-file

It is possible to update your incoming stock, by importing a CSV-file.

- Prepare the list in Excel and save it into CSV format

2	1030R	1	+
3	1640WB	3,5	+
1	1640WB	3,5	>>

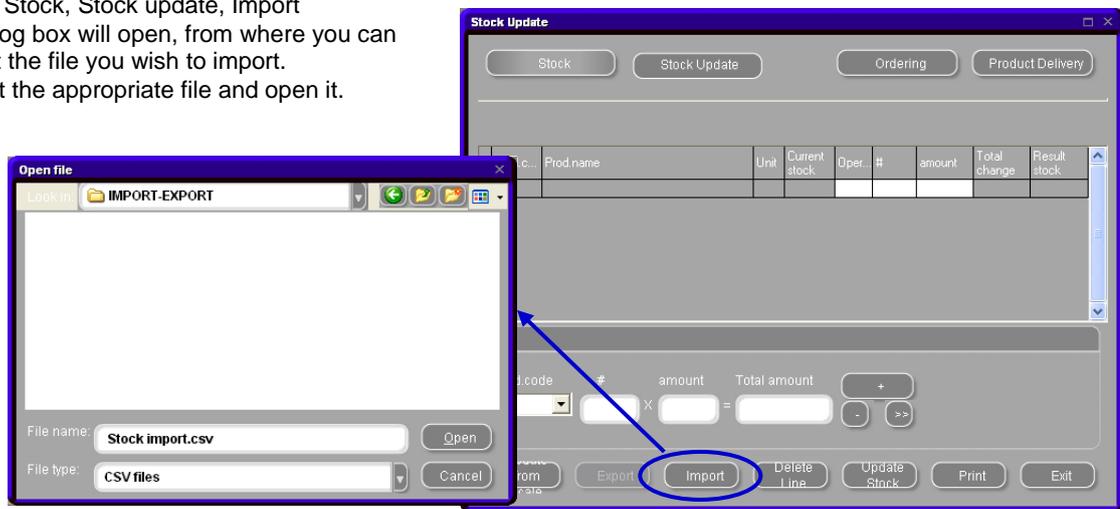
1<sup>st</sup> column is the number of cans

2<sup>nd</sup> column is the product code

3<sup>rd</sup> column is the can size

4<sup>th</sup> column is the "Operator", where:      + = Add      - = Deduct      >> = Replace

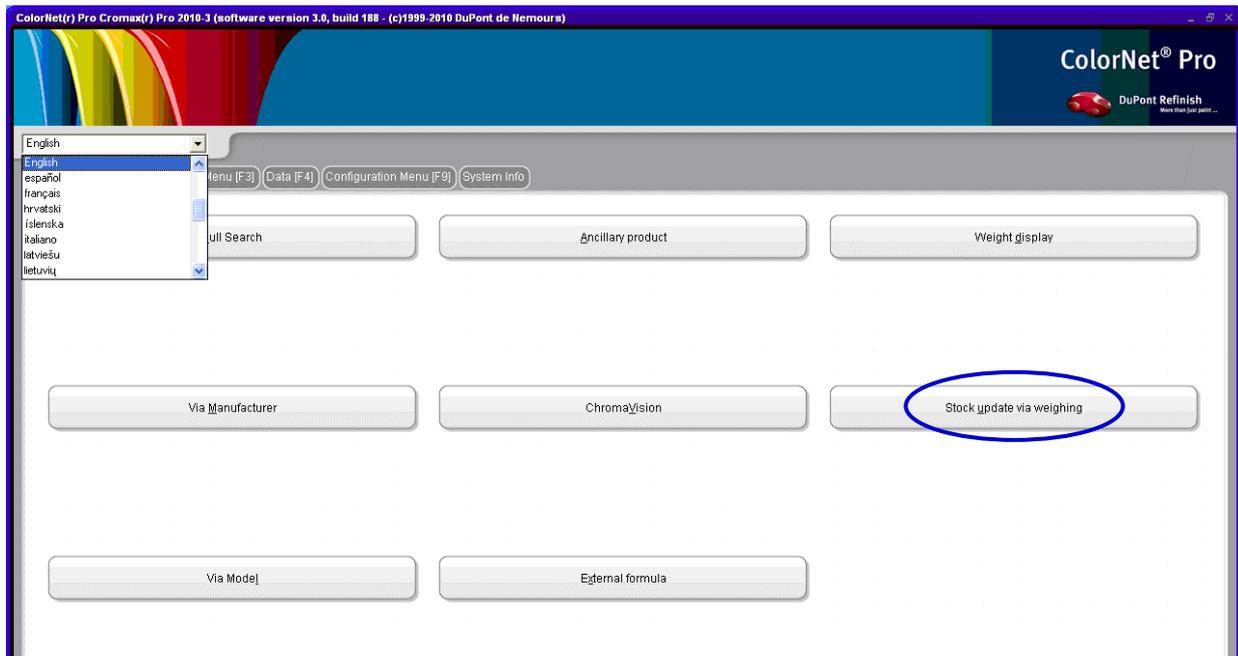
- Open Stock, Stock update, Import
- A dialog box will open, from where you can select the file you wish to import.
- Select the appropriate file and open it.



- You will get an overview of what is imported on the top part of the screen. Click "Update Stock", to complete the process.



### 5.2.5.3 Update via weighing.



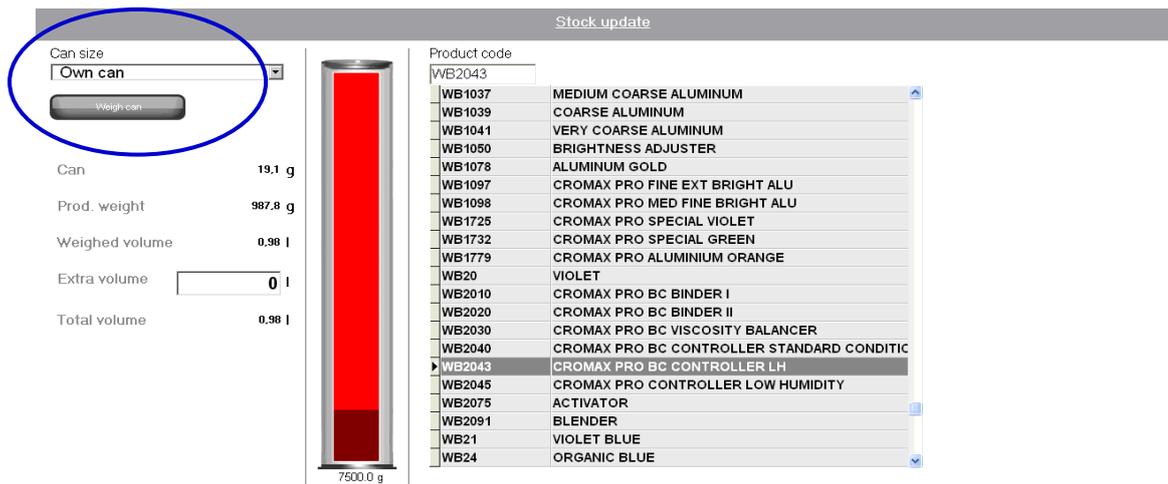
Stock update via weighing allows you to weigh the content of already opened cans and new closed cans. Once the function is activated in the Suppliers and stock options settings, you will see a button on the software (for scale) OR a function on the EcoMix terminal (for EcoMix).

By pressing “Stock update via weighing” a screen opens, displaying the list of all products.

NOTE: the list of products depends on the configuration settings of the software.

S. Product and can size selection, p. 79.

On the left side of the list, you can choose the can. For certain can/lid - combination tare weights are stored and deducted from the total weight. If the actual can is not available in the list, select “custom”, put an empty can on the scale, press “Weigh can”, afterwards weigh the can with content.



**Steps to follow on the scale side (by the user):**

- First select a can type from the list. If the can type is not listed, you can select "Own can". Put the can on the scale and click "Weigh can". The system will then weigh the can and enter the can weight in the bar. Then select the product to continue.

Can size

Own can

Own can

Centari 1/2L + rod

Centari 1/2L

Centari 1L + rod

Centari 1L

Centari 4L + rod

Centari 4L

Cromax 1/2L + rod

g

g

Weighed volume 0.00 l

Extra volume 0 l

Total volume 0.00 l

- Put the can on the scale.  
The product weight will be calculated. An extra volume (full cans) can be added.

Can size

Own can

Weigh can

Can 19.1 g

Prod. weight 987.8 g

Weighed volume 0.98 l

Extra volume 0 l

Total volume 0.98 l

- When all info is correct, press "Send product ... to the stock management". A confirmation message will be shown.

Send product WB2043 to the stock management

- The cycle can be repeated for a next product until all products are done.

Information

Data successfully sent.

OK

**Steps to follow on the Stock Management side (by the manager):**

- Open Stock Management / Stock Update / Update via weighing

- The list of products that were sent to the scale will be shown. Here, it is still possible to add other products (full cans) that were not sent to the scale. This should be done in the lower part of the screen.

- When all products are listed, press “Update Stock” on the bottom of the screen. The stock will be updated.

### 5.2.5.4 Stock update via order deliveries.

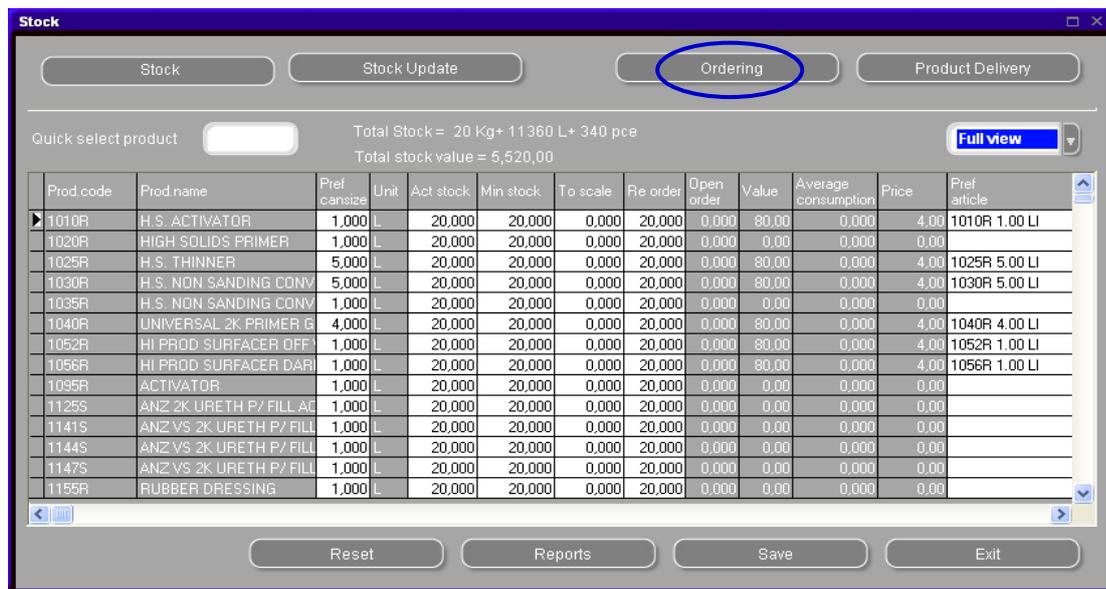
Stock update via order deliveries is only used for incoming stock.

The order quantity suggested by the software is based upon the parameters that were set in the tool, the moment you do the configuration.

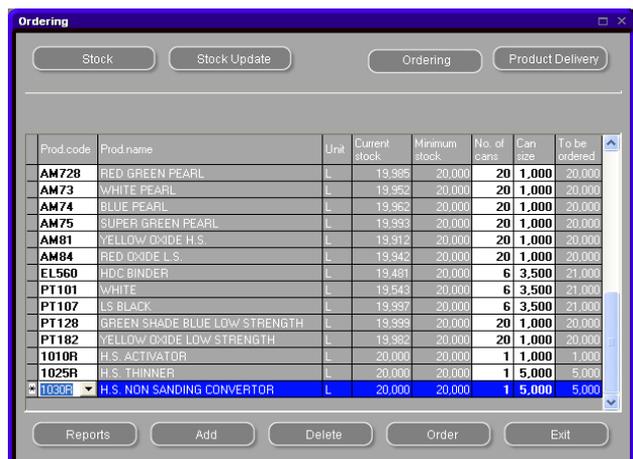
S. Stock parameters, p. 78.

#### Steps to follow for the order creation:

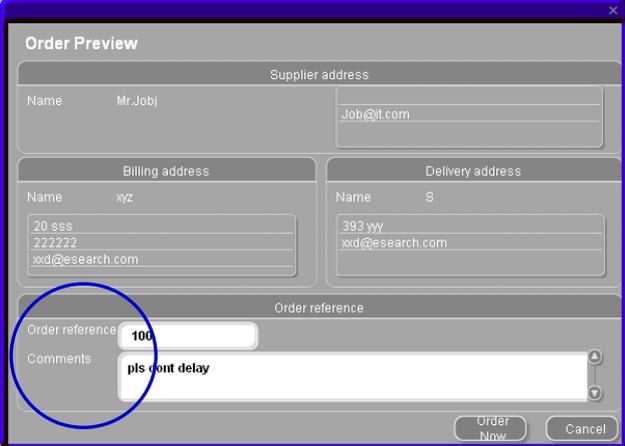
- Open Stock Management / Ordering



- An order is proposed by the system.
- In this screen, it is still possible to add products that are not in your order proposal, or to Delete products that are suggested in the order.
- When you agree with the order, press "Order" on the bottom of the screen to continue.



- In the Order Preview, the addresses are filled in and an order reference/comment of your choice can be entered. Click “Order Now” to continue. An order will be displayed and can be printed or stored as .pdf-documents (s. a. .pdf documents , p. 75).



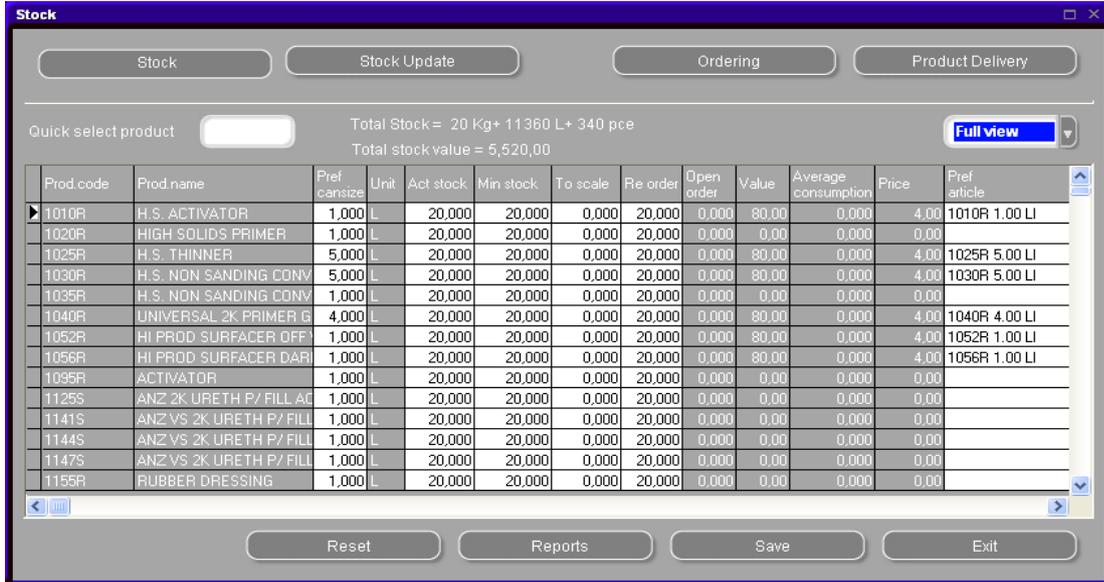
The screenshot shows a window titled "Order Preview" with a grey background. It contains several sections for entering order details:

- Supplier address:** Name: Mr. Jobj, Email: Job@it.com
- Billing address:** Name: xyz, Address: 20 sss, 222222, Email: xxd@esearch.com
- Delivery address:** Name: S, Address: 393 yy, Email: xxd@esearch.com
- Order reference:** A text box containing "100".
- Comments:** A text box containing "pls dont delay".

At the bottom right, there are two buttons: "Order Now" and "Cancel". A blue circle highlights the "Order reference" and "Comments" fields.

**Steps to follow for the order delivery:**

- Open Stock Management/Product Delivery



- In the Product delivery screen can be opened in 2 different views: Open orders and All orders. For the product delivery, it is easiest to take the "Open orders" overview.



- The receipt of the goods can be done in different ways:

### All Delivered

The “Current delivery” field will be completed and a “Fully delivered date” will be placed behind each product.

Prod...	Prod.name	Article code	Order no. of ...	Size of ordered cans	Ordered quantity	Already delivered	Current delivery	Current delivery size	Current delivery quantity	Fully delivered date
▶ 1010R	H.S. ACTIVATOR	1010R 1.0	1	1,000	1,000	0,000	1,000	1,000	0,000	28/05
1025R	H.S. THINNER	1025R 5.0	1	5,000	5,000	0,000	1,000	5,000	0,000	28/05
1030R	H.S. NON SANDING CONVERT	1030R 5.0	1	5,000	5,000	0,000	1,000	5,000	0,000	28/05

You can also “not deliver” or only “partially deliver” products. Just enter the correct amount in the “Current delivery” column and press ok (this is also valid if you want to enter a higher quantity than initially ordered). For the products that are not fully delivered, there will be NO “Fully delivered date” filled in. When done, press OK to continue.

NOTE: this way of working is mainly used when a big part or the complete order can be received.

Cod. tinta	Prod.name	Article code	Ordered no. of cans	Size of ordered cans	Ordered quantity	Already delivered	Current delivery	Current delivery size	Current delivery quantity	Fully delivered date
▶ 120SX	ANZ MS 2K CLEAR	12500250	1	1,000	1,000	0,000	1,222	1,000	222,000	07/07/2010

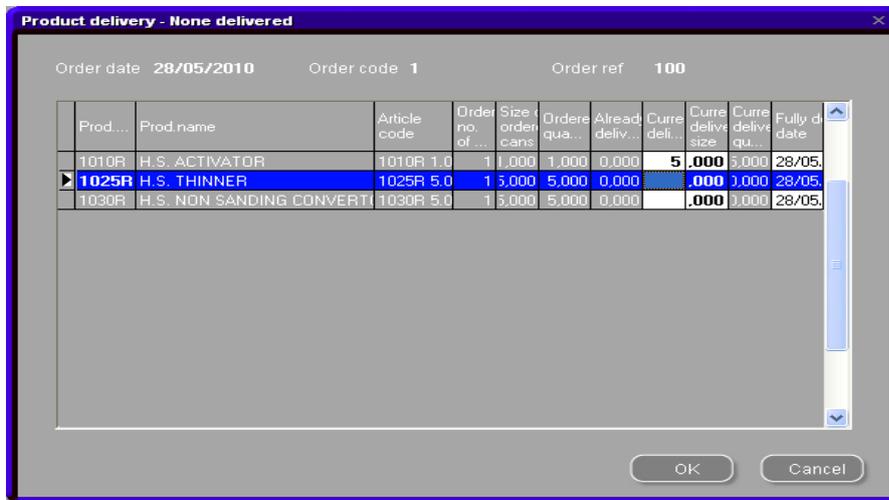
### None Delivered

Nothing will be filled in.

Prod...	Prod.name	Article code	Order no. of ...	Size of ordered cans	Ordered quantity	Already delivered	Current delivery	Current delivery size	Current delivery quantity	Fully delivered date
▶ 1010R	H.S. ACTIVATOR	1010R 1.0	1	1,000	1,000	0,000	0,000	1,000	0,000	
1025R	H.S. THINNER	1025R 5.0	1	5,000	5,000	0,000	0,000	5,000	0,000	
1030R	H.S. NON SANDING CONVERT	1030R 5.0	1	5,000	5,000	0,000	0,000	5,000	0,000	

You can manually enter the amounts in the “Current delivery” field (including a higher quantity than initially ordered). For the products where the total amount is received, a “Fully delivered date” will be filled in. When done, press OK to continue.

NOTE: this way of working can be used to receive only a few of the products in an order.



**Add**

The “Add” button will allow you to add other products that were not in the original order. Once all products are in the list, you can again receive the orders via the “All delivered” or “None delivered” buttons.



Once the goods are received, you still need to SAVE your changes to update the stock.

The screenshot shows the 'Product Delivery' window with the 'Open orders' dropdown menu. The main table displays two orders:

Order date	Order code	Order reference	Supplier	Comments	Status
28/05/2010	3	3	Mr.Jobj	DupontProducts-3	All Delivered
28/05/2010	4	4	Mr.Jobj	DupontProducts-4	Open

Below the table, the selected order details are shown for Order date 28/05/2010, Order code 3, and Order ref 3. The 'Orderline' table lists three items:

Prod.code	Prod.name	Article code	Ordered no. of cans	Size of ordered cans	Ordered quantity	Already delivered	Current delivery	Current delivery size	Current delivered quantity	Fully delivered date
1010R	H.S. ACTIVATOR	1010R 1.0	1	1,000	1,000	0,000	1	1,000	1,000	28/05/2010
1025R	H.S. THINNER	1025R 5.0	1	5,000	5,000	0,000	1	5,000	5,000	28/05/2010
1030R	H.S. NON SANDING CONVERT	1030R 5.0	1	5,000	5,000	0,000	1	5,000	5,000	28/05/2010

Buttons at the bottom include 'Add', 'Delete', 'All Delivered', 'None Delivered', 'Save', and 'Exit'.

The status of the order will then go from "All delivered" to "Delivered".  
 NOTE: an order that is in status "Delivered" can only be seen in the "All Orders" view.

The screenshot shows the 'Product Delivery' window with the 'All orders' dropdown menu selected. The main table displays three orders:

Order date	Order code	Order reference	Supplier	Comments	Status
28/05/2010	2	100	Mr.Jobj	pls dont delay	Delivered
28/05/2010	3	100	Mr.Jobj	pls dont delay	Delivered
28/05/2010	1	100	Mr.Jobj	pls dont delay	Open

Below the table, the selected order details are shown for Order date 28/05/2010, Order code 2, and Order ref 100. The 'Orderline' table lists three items:

Prod.code	Prod.name	Article code	Ordered no. of cans	Size of ordered cans	Ordered quantity	Already delivered	Current delivery	Current delivery size	Current delivered quantity	Fully d date
1040R	UNIVERSAL 2K PRIMER GREY	1040R 4.0	1	4,000	4,000	0,000		4,000	0,000	
1052R	HI PROD SURFACER OFF WHI	1052R 1.0	1	1,000	1,000	0,000		1,000	0,000	
1056R	HI PROD SURFACER DARK GR	1056R 1.0	1	1,000	1,000	0,000		1,000	0,000	

Buttons at the bottom include 'Add', 'Delete', 'All Delivered', 'None Delivered', 'Save', and 'Exit'.

## 5.2.6 Summary overview of all fields

### 5.2.6.1 Stock

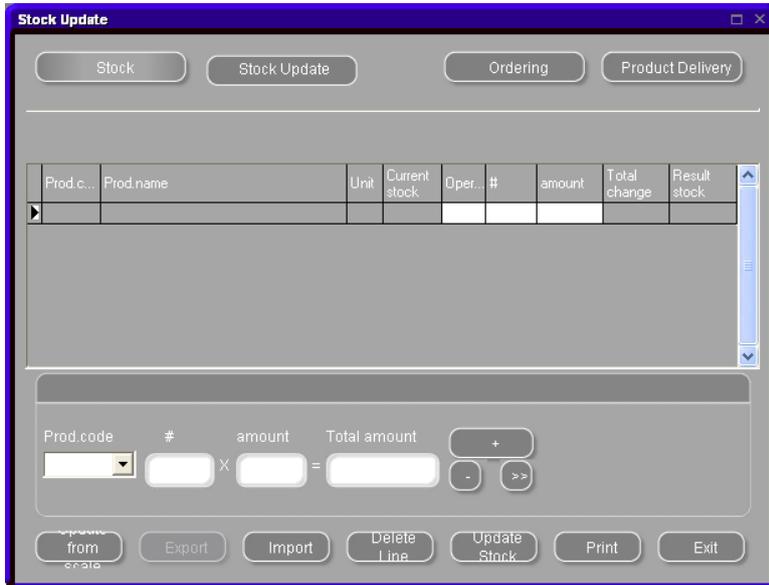
The screenshot shows a software window titled 'Stock' with a menu bar containing 'Stock', 'Stock Update', 'Ordering', and 'Product Delivery'. Below the menu bar, there is a 'Quick select product' field and a 'Full view' button. The main area displays a table with the following data:

Prod. code	Prod. name	Pref. can size	Unit	Act stock	Min stock	To scale	Re order	Open order	Value	Average consumption	Price	Pref. article
1010R	H.S. ACTIVATOR	1,000	L	20,000	20,000	0,000	20,000	0,000	80,00	0,000	4,00	1010R 1.00 LI
1020R	HIGH SOLIDS PRIMER	1,000	L	20,000	20,000	0,000	20,000	0,000	0,00	0,000	0,00	
1025R	H.S. THINNER	5,000	L	20,000	20,000	0,000	20,000	0,000	80,00	0,000	4,00	1025R 5.00 LI
1030R	H.S. NON SANDING CONV	5,000	L	20,000	20,000	0,000	20,000	0,000	80,00	0,000	4,00	1030R 5.00 LI
1035R	H.S. NON SANDING CONV	1,000	L	20,000	20,000	0,000	20,000	0,000	0,00	0,000	0,00	
1040R	UNIVERSAL 2K PRIMER G	4,000	L	20,000	20,000	0,000	20,000	0,000	80,00	0,000	4,00	1040R 4.00 LI
1052R	HI PROD SURFACER OFF	1,000	L	20,000	20,000	0,000	20,000	0,000	80,00	0,000	4,00	1052R 1.00 LI
1056R	HI PROD SURFACER DAR	1,000	L	20,000	20,000	0,000	20,000	0,000	80,00	0,000	4,00	1056R 1.00 LI
1095R	ACTIVATOR	1,000	L	20,000	20,000	0,000	20,000	0,000	0,00	0,000	0,00	
1125S	ANZ 2K URETH P/FILL AC	1,000	L	20,000	20,000	0,000	20,000	0,000	0,00	0,000	0,00	
1141S	ANZ VS 2K URETH P/FILL	1,000	L	20,000	20,000	0,000	20,000	0,000	0,00	0,000	0,00	
1144S	ANZ VS 2K URETH P/FILL	1,000	L	20,000	20,000	0,000	20,000	0,000	0,00	0,000	0,00	
1147S	ANZ VS 2K URETH P/FILL	1,000	L	20,000	20,000	0,000	20,000	0,000	0,00	0,000	0,00	
1155R	RUBBER DRESSING	1,000	L	20,000	20,000	0,000	20,000	0,000	0,00	0,000	0,00	

At the bottom of the window, there are buttons for 'Reset', 'Reports', 'Save', and 'Exit'. Above the table, the text 'Total Stock = 20 Kg+ 11360 L+ 340 pce' and 'Total stock value = 5,520,00' is displayed.

Stock	Clicking on this button leads you to the stock screen
Stock update	Opens stock update, a new window will be opened
Ordering	Opens the Ordering system, a new window will be opened
Product delivery	Opens Product delivery, a new window will be opened
Quick select product	Enter a product code in this field to go to that line directly
Total stock	The total amount in stock (indicated in mass, volume and pieces)
Total stock value	The total value of the amount in stock. This is calculated based upon the price info in the software.
Prod. code	This is the code of the product, in many cases the one indicated on the cans
Prod. name	This is the full product name
Unit	Can be: kg, L, piece.
Act stock	Indicates the product that is actually in stock.
To scale	Indicates the product that is sent to the scale (but not weighed yet, thus not available anymore).
Open order	Indicates whether you still expect a delivery for that product
Min stock	Is the minimum amount of stock needed for that product
Re order	Is the amount of product that will be re-ordered, when stock is below minimum stock
Pref. article	The article code that you prefer to be used (unique number)
Pref. can size	The can size that belongs to your preferred article. Changing one or the other will always result in a change in both columns.
Price	Litre price of each product, (from price management).
Value	Stock multiplied with the litre price.
Average consumption	Indicates the average consumption for this product (total / month)
Reset	Pushing this button, erases the values in the columns "Act stock" and "To scale"
Reports	Opens a window from where you can display a current stock report, print and/or save it as .pdf-document.
Save	Saves your changes.
Exit	Exit the stock module.

### 5.2.6.2 Stock update



Stock	Clicking on this button leads you to the stock screen
Stock update	Opens stock update, a new window will be opened
Ordering	Opens the Ordering system, a new window will be opened
Product delivery	Opens Product delivery, a new window will be opened
Prod. code	This is the code of the product, as indicated on the cans
Prod. name	This is the full product name
Unit	Can be: kg, L, pce (pieces)
Current stock	Indicates what is actually in stock
Operator	Can be + (Add), - (Deduct) or >> (Replace)
#	A number (number of cans to be booked).
Amount	The amount of the selected product to be booked (in case of full cans, this is the can size).
Total change	This is the number (#) multiplied with the amount. Example 2 x 3.5 L = 7
Result stock	This is the result of the stock that reflects the modifications you did in the line
Update via weighing	Click this button to view the list of products that were weighed over the scale
Export	Export a stock file (in CSV)
Import	Import a stock file (in CSV)
Delete line	Delete the selected line (in blue)
Update stock	Click this button to update the stock (with the lines in the top screen)
Print	Display, print or save as .pdf-document a report of foreseen changes to the stock (data in the upper part of the screen)
Exit	Exit the stock module.

### 5.2.6.3 Ordering

**Ordering** [X] [Close]

Prod.code	Prod.name	Unit	Current stock	Minimum stock	No. of cans	Can size	To be ordered
AM728	RED GREEN PEARL	L	19,985	20,000	20	1,000	20,000
AM73	WHITE PEARL	L	19,952	20,000	20	1,000	20,000
AM74	BLUE PEARL	L	19,962	20,000	20	1,000	20,000
AM75	SUPER GREEN PEARL	L	19,993	20,000	20	1,000	20,000
AM81	YELLOW OXIDE H.S.	L	19,912	20,000	20	1,000	20,000
AM84	RED OXIDE L.S.	L	19,942	20,000	20	1,000	20,000
EL560	HDC BINDER	L	19,481	20,000	6	3,500	21,000
PT101	WHITE	L	19,543	20,000	6	3,500	21,000
PT107	LS BLACK	L	19,997	20,000	6	3,500	21,000
PT128	GREEN SHADE BLUE LOW STRENGTH	L	19,999	20,000	20	1,000	20,000
PT182	YELLOW OXIDE LOW STRENGTH	L	19,982	20,000	20	1,000	20,000
1010R	H.S. ACTIVATOR	L	20,000	20,000	1	1,000	1,000
1025R	H.S. THINNER	L	20,000	20,000	1	5,000	5,000
* 1030R	H.S. NON SANDING CONVERTOR	L	20,000	20,000	1	5,000	5,000

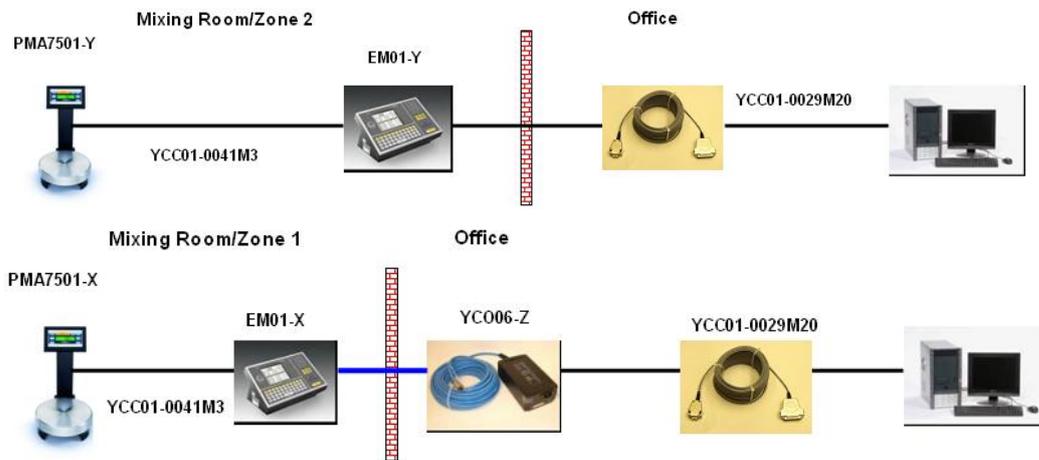
Stock	Clicking on this button leads you to the stock screen
Stock update	Opens stock update, a new window will be opened
Ordering	Opens the Ordering system, a new window will be opened
Product delivery	Opens Product delivery, a new window will be opened
Prod. code	This is the code of the product, as indicated on the cans
Prod. name	This is the full product name
Unit	Can be: kg, L, pce (pieces)
Current stock	Indicates what is actually in stock
Minimum stock	Is the minimum amount of stock needed for that product
No of cans	The number of cans you wish to order
Can size	The size/content of the cans
To be ordered	Number of cans multiplied with content of the cans (=can size).
Reports	Allows you to open an Order List report
Add	Add another product to the order (only products that are not listed yet)
Delete	Delete the selected line (in blue)
Order	Order the material. The actual order will be shown in a new screen.
Exit	Exit from the screen

### 5.2.6.4 Product delivery

Stock	Clicking on this button leads you to the stock screen
Stock update	Opens stock update, a new window will be opened
Ordering	Opens the Ordering system, a new window will be opened
Product delivery	Opens Product delivery, a new window will be opened
Quick select Order code	Allows you to enter your order code for a fast selection
Order date	Date you created the order
Order code	The code that is given by the system to your order
Order reference	The reference you gave to your order
Supplier	Suppliers name you entered in the settings
Comments	Free text field you entered whilst creating the order
Status	Describes the status of the order (Delivered, Open, Partially delivered)
Prod. code	This is the code of the product, as indicated on the cans
Prod. name	This is the full product name
Article code	Unique article-/ordering number of a specific article.
Ordered no of cans	The number of cans you ordered
Size of ordered cans	Size of ordered cans. By default this is the size of the cans you ordered, but can be changed manually, if necessary.
Ordered quantity	The amount you ordered
Already delivered	Indicates what was already delivered
Current delivery	What is delivered in the current order
Current delivery size	The can size from that was delivered (can be different from the original order)
Fully delivered date	The date when the order was fully delivered
Add (order line)	Add another product to the order (example: an extra product was delivered and you wish to receive it)
Delete (order line)	Delete a product from the order (example: product will not come in anymore and you wish to remove it so the order can be closed)
All delivered	Will put a fully delivered date on all products (Useful when receiving big orders in 1 go.)
None delivered	Lists the orders that are not delivered yet, so you can receive them one by one (example: only 1 product is delivered on a total order of 25 products. It is then easier to receive that 1 product with this option).
Save	Saves your changes and updates the stock
Exit	Exit from the screen

### 5.2.7 Configuration of the EcoMix terminal

EcoMix is a solution for Ex-proof installations (zone 2 and 1)



#### 5.2.7.1 Description of Functionality.

EcoMix terminal side, for standard installation:

- Search on program database and Personal database at the same time (Improved search paths)
- Search on Ancillary Products
- Select a job from the job queue
- Quit the program

EcoMix terminal side, for advanced installation:

- Select a job from the job history list
- Do a stock update from scale

PC side:

- All functions as we know today
- "Send to scale" will add to job queue.
- „Queue maintenance”, p. 74, allows you to modify “un-weighed” jobs that were sent to the job queue.

#### 5.2.7.2 Installation.

During installation of our software, the user has the possibility to install a normal scale or an EcoMix. A normal scale is automatically installed by the software with a standard installation. The EcoMix can be installed by selecting it from the “custom” tab in the installation wizard of the tool.

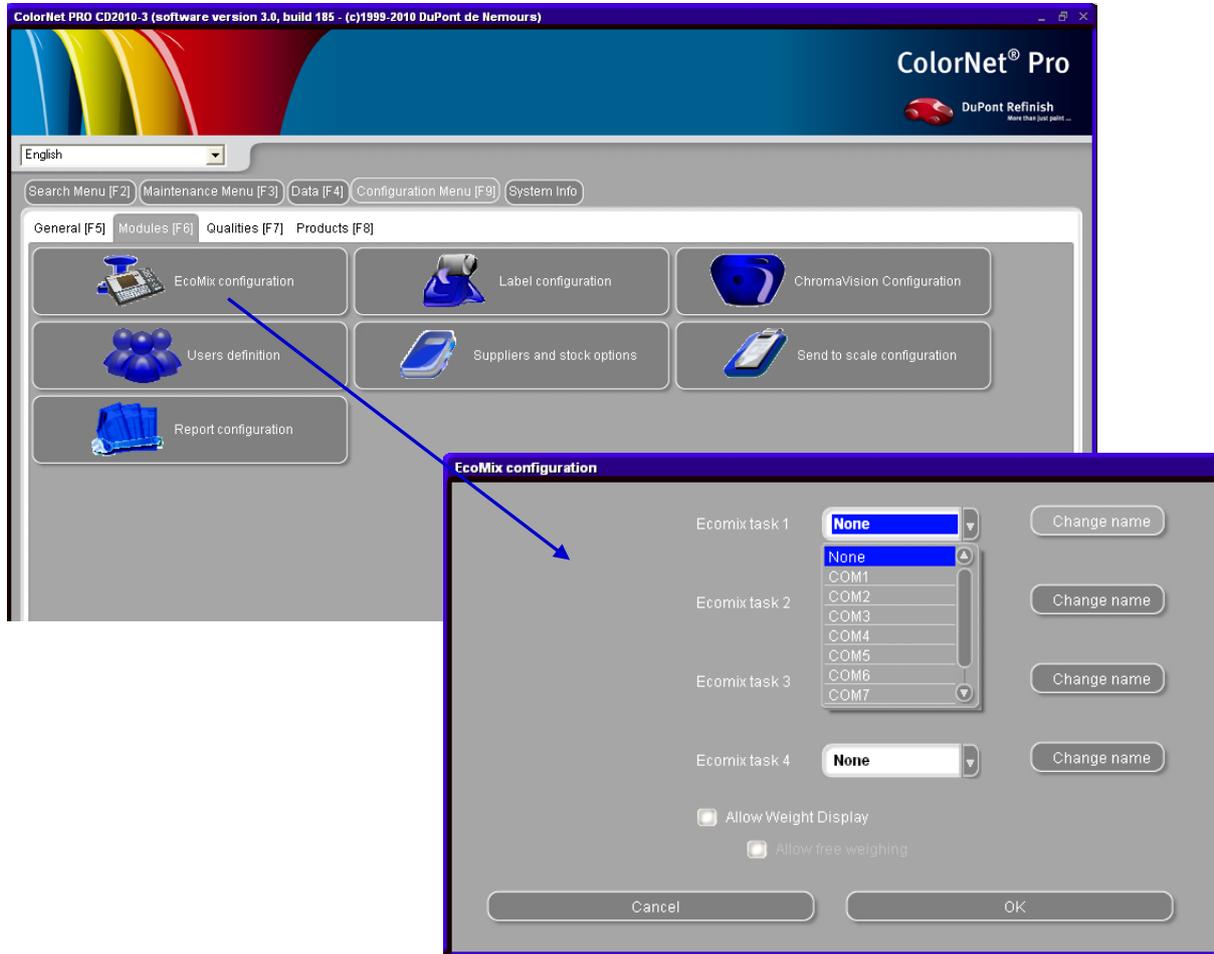
Once the software is installed, an additional icon is placed on the desktop to launch the EcoMix terminal menu and to close it down afterwards.

Important: It is not possible to install an EcoMix and a scale at the same time. When working with an EcoMix, one also works with a scale.



### 5.2.7.3 Configuration.

#### 5.2.7.3.1 Hardware.



The EcoMix needs to be configured, before working with it. Therefore go to: settings/EcoMix. In the configuration menu, you can then:

- Select the COM-port
- Change the name of the EcoMix terminal. If you work with reports, the name will be displayed in the reports.
- Activate Weight Display., p. 99.

Note: It is possible to connect up to 4 EcoMix terminals to 1 PC. Each terminal has then to be configured separately. The "Weight display" option however, is valid for all configured EcoMix terminals.

### 5.2.7.3.2 Software configurations that have affect on the EcoMix screen:

#### 5.2.7.3.2.1 VOC Compliancy.



S. a. VOC Compliancy, p. 13.

- VOC compliancy flag ON
  - Only VOC compliant qualities and products will be shown.
  - Possibility to de-select individual qualities and products where necessary.
  - You still have a "Show all" button in the search, to display the inactive qualities.
- VOC compliancy flag OFF
  - All qualities and products will be shown.
  - Possibility to de-select individual qualities and products where necessary.

#### 5.2.7.3.2.2 Lead free only.



S. a. Lead free only, p. 14.

- Lead free only flag ON
  - Only Lead free formulas are shown. (Some stock codes where only Pb formulas exist, will disappear from the list. Example: some Fleet Norway "ROD" colours.)
- Lead free only flag OFF
  - All formulas are shown

NOTE: the above settings have an influence on Search, Personal Database, Prices and Stock. It is therefore not recommended not to switch regularly to different settings in order not to lose data (or have the impression it is lost, because it is hidden by the settings).

### 5.2.7.3.3 Software configurations that have an effect on the working process:

#### 5.2.7.3.3.1 User Management.

S. a. Users, p. 30.

Different options possible:

- no users defined
  - no user names displayed when creating job
  - no password control possible
- users created but no password
  - a user can be selected from the list when creating a job
  - no password control possible
- users created and password mandatory
  - a user can be selected from the list when creating a job
  - users are prompted for a password before weighing

#### 5.2.7.3.3.2 Send to scale configuration.

S. a. Send to scale / Job Configuration, p. 33.

Different options possible:

- Job reference mandatory: OFF
  - The user will not be prompted to enter a job reference when sending the job to the job queue.
- Job reference mandatory: ON
  - User must enter a job reference when sending the job to the job queue
  - The reference entered will reflect in the job queue and in the reports.
- Job reference mandatory: ON + Job reference from list

- User cannot enter a reference but must select from a list.  
The list of references is in txt-format and placed on specific location on PC.  
The selected reference will reflect in the job queue and in the reports.

#### **5.2.7.3.3.3 Weight Display.**

Different possibilities:

- “Allow Free Weighing” ON
  - Once activated, an extra function F4: Weight Display will be visible on the EcoMix terminal
  - The option allows you to freely weigh products over the scale.
  - The job will not be recorded and the info will not reflect in the reports.

Steps to follow:

- Select “F4: Weight Display” on the EcoMix terminal
- You can start weighing your product
  
- “Allow Free Weighing” OFF
  - Once activated, an extra function F4: Weight Display will be visible on the EcoMix terminal.
  - This allows you to weigh products over the scale in a controlled way (user needs to identify the product and enter a reference).

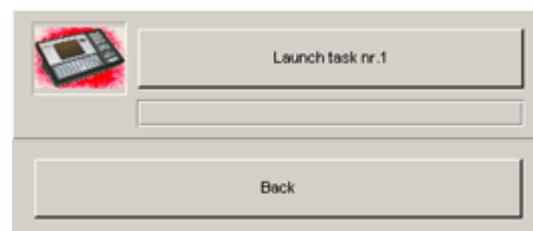
The job will be recorded and the info will end up in the reports afterwards.

Steps to follow:

- Select “F4: Weight Display” on the EcoMix terminal
- Select the product that you want to weigh from the list
- Complete the registration/job info if required (depends on the “Send to scale” settings)
- Enter the volume you want to weight
- Weigh the product.

### 5.3 How to start up the EcoMix terminal

- Click on the EcoMix Manager icon on the desktop OR launch the program directly from C:\Program Files\CommonFiles\CTCommon\Ecoman\EcoManager.exe  
The following window will be opened.  
First, switch ON the EcoMix terminal and then click "Launch Task nr. 1". If you have multiple EcoMix terminals attached to your PC, you will be able to launch different task numbers. The EcoMix terminal will start up and the scale will automatically be recognized.



- To stop the EcoMix manager, you can either select:  
9. Quit the Program from the EcoMix menu OR  
Click "Stop task nr. 1" on the PC side.

Important:

It can be that the scale is not immediately recognized at first installation. You will then get a message on the EcoMix terminal, asking you to configure the scale first.



Steps to follow:

- On the EcoMix terminal, select F9: Setup from the main menu
- Go to EcoMix/Scale setup
- Scale → select the appropriate scale from the list:  
PMA7500 scale = PMA7200/7500/35d Family  
PMA7501 quality scale = Sartorius scale (XBPI Mode)  
Note: the cable connection between the scale and the EcoMix terminal is the same for both scales.
- Exit and SAVE!
- The EcoMix terminal will reboot itself, to complete the configuration.

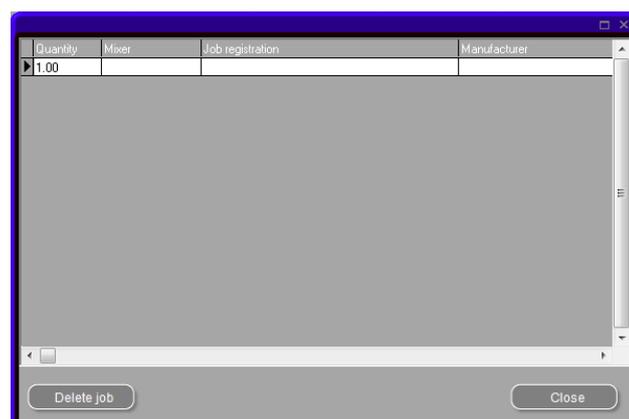
### 5.4 Functionalities in the tool

#### 5.4.1 Search

On the PC side

- Guided Search, p. 45.  
Once a formula is found, it can be sent to the job queue of the EcoMix terminal.  
The Job queue is visible in the software under Maintenance/Queue Maintenance and allows you to maintain the jobs that were sent (example: delete irrelevant jobs).
- Search on Ancillary products
- Search via Spectro

Important: when you make a change on the PC side, the job queue will automatically be refreshed when going to the main menu of the EcoMix terminal.



On the EcoMix terminal:

- Search.  
Once a formula is found, it can be sent to the scale or to the job list of the EcoMix terminal.
- Search on Ancillary products  
For Ancillary products or RFU, it is possible to create "Quickselect" references (s. a. quickselects, p. 54) that will make your life a lot easier on the EcoMix side. The references can be created in an easy way on the PC side for use afterwards on the EcoMix terminal. Once created, you simply select the appropriate reference for your formula and send it to the scale or job queue. This is valid for Ready for Use and for the Ancillary product search. The main advantage of this feature is that it is time saving for the user and it avoids mistakes that can be caused by selecting the wrong combinations.



- Select the colour you wish to use.  
The available qualities for the highlighted line are shown on the 2nd half part of the screen.  
Click enter to go to the quality list.

Manuf.	Code	Name	Years
* ALFA ROMEO	117B	ROSSO BRUNE	03-08
* ALFA ROMEO	117B	ROSSO BRUNE	03-08
* ALFA ROMEO	117B	ROSSO BRUNE	03-08
* ALFA ROMEO	117B	ROSSO BRUNE	03-08
* ALFA ROMEO	117B	ROSSO BRUNE	03-08
* ALFA ROMEO	117B	ROSSO BRUNE	03-08

StockCode	Quality	Alt	ColChng	Ct	Pb
X0598	600	0			B
X0598	600	1	-D		B
X0598	600	2	+D		B
X0598	6000	0			B
X0598	6000	1	-D		B
X0598	6000	2	+D		B
X0598	CROMAX	0			B

ESC:Back F1:Help F10:Main Menu

- Once your selection is complete, you will get the list of qualities and alt's where you can choose from. Once the right formula is selected, you can send it to the scale.

**NOTE:**

- [F2]: Filter Qual. allows you to filter the list on quality.
- [F3]: Allows you to filter on Alt. Example: all qualities for Alt 1
- [F5]: Inact. qual. indicates that there are other (inactive) qualities available for this formula.

Manuf.	Code	Name	Years
* ALFA ROMEO	117B	ROSSO BRUNE	03-08

StockCode	Quality	Alt	ColChng	Ct	Pb
X0598	CROMAX	0			B
X0598	CROMAX	1	-D		B
X0598	CROMAX	2	+D		B

R VS SPECIAL TINT - check ava  
 2 COAT PEARL

ESC:Back F1:Help F2:Filter Qual. F3:Filter Alt. F10:Main Menu

The inactive qualities are marked with a "/" in front of the quality code and the active qualities are marked with a "." in front of the quality code.

Manuf.	Code	Name	Years
* ALFA ROMEO	117B	ROSSO BRUNE	03-08

StockCode	Quality	Alt	ColChng	Ct	Pb
X0598	.600	0			B
X0598	.600	1	-D		B
X0598	.600	2	+D		B
X0598	.6000	0			B
X0598	.6000	1	-D		B
X0598	.6000	2	+D		B
X0598	/CROMAX	0			B
X0598	/CROMAX	1	-D		B
X0598	/CROMAX	2	+D		B
X0598	L400	0			B

R VS SPECIAL TINT - check ava  
 2 COAT PEARL

ESC:Back F1:Help F2:Filter Qual. F3:Filter Alt. F10:Main Menu

## 6 Appendix.

### 6.1 Problems and Solutions

1. Autorun does not start automatically	Start program manually
2. Autorun freezes your PC	Ctrl + alt + del; stop task
3. Installation not successful	Restart PC, start installation again. Still not ok: contact your dealer or DuPont contact.
4. Volume suggestion not ok	Change factor
5. Warning message	Change level
6. Forgot password	Call office

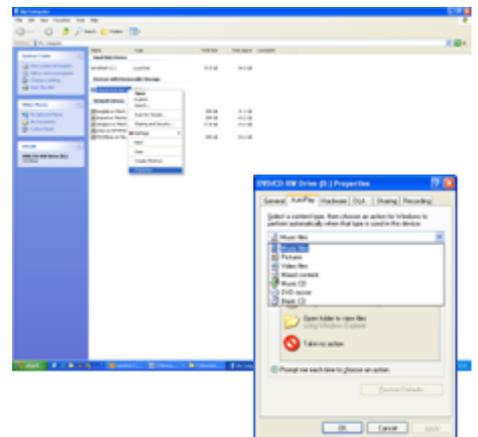
#### 6.1.1 Questions and answers on the installation/configuration procedure

##### 6.1.1.1 Autorun doesn't start up automatically

###### 6.1.1.1.1 Changing Autoplay setting for Windows XP

From the Windows desktop, click on My Computer.

- Right-click on the icon for your CDROM drive, then click Properties.
- Select the AutoPlay tab, then choose the type of CD (Music, pictures, mixed data, etc.)
- Select an action to perform, or select "Take no action".



###### 6.1.1.1.2 Changing Autoplay setting for Windows 98 SE

- From the Windows desktop, **right-click** on "My Computer"
- Click on Properties
- Select the Device Manager tab.
- Click on the "+" next to CDROM
- Select the entry for your CDROM drive.
- Click on Properties, and then select the Settings tab.
- Enable or disable the Auto-Insert Notification option.
- Click OK twice.

The change will be effective after you restart Windows.

##### 6.1.1.2 Autorun freezes your PC

Symptoms:

When you are copying a large directory structure from a CD-ROM drive to a local hard disk (this is done in autorun as well), your computer may stop responding (hang). You must perform a local reboot to end the copy task and regain control of your computer.

Cause:

The Windows CD-ROM file system with protected-mode drivers includes a "Read-Ahead" feature that is designed to provide smoother video playback, with faster and more efficient data streaming. The Read-Ahead feature can cause the CD-ROM drive controller to be driven faster than it was designed to be.

Solution:

To prevent this problem, follow these steps:

Click the Start button, point to Settings, then click Control Panel.

Double-click the System icon.

On the Performance tab, click File System.

Click the CD-ROM tab.

In the Optimize Access Pattern For box, click the setting that matches the CD-ROM drive you are using. Click OK. Restart the computer when you are prompted to.

If steps 1-5 do not solve the problem, repeat steps 1-4. In the Optimize Access Pattern For box, click No Read Ahead. Click OK. Restart the computer when you are prompted to.

### 6.1.1.3 Installation is not successful

Symptoms:

The installation ends with the info "Installation not successful".

Cause:

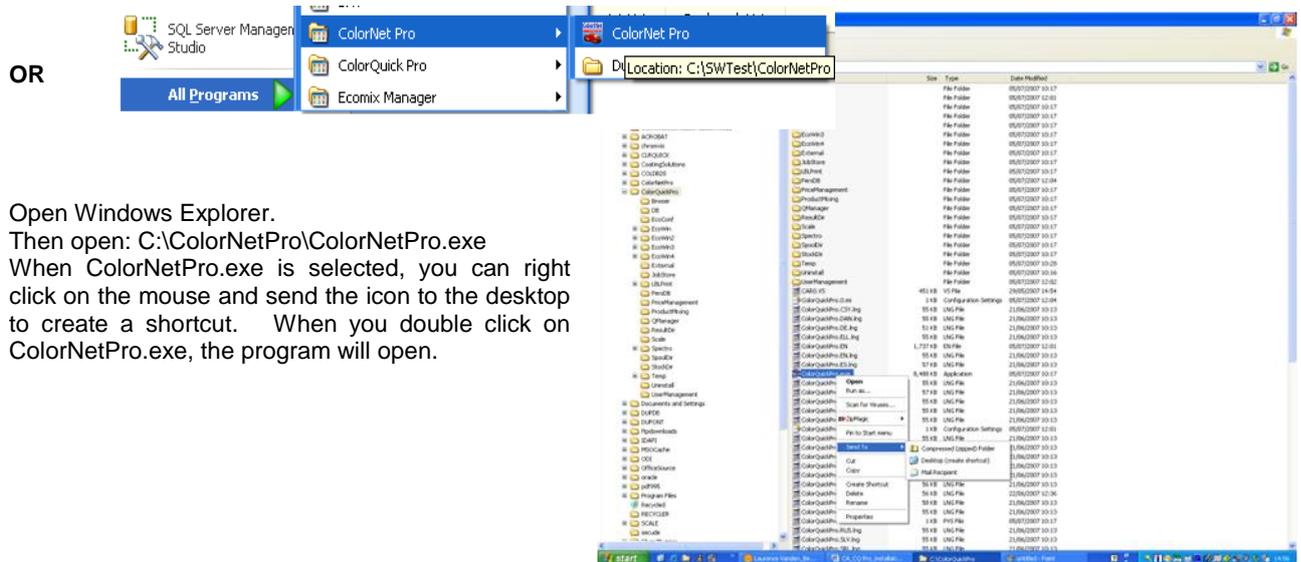
Parts of the software have still been in use and thus could not be updated or the hard disk was full or the CD was unreadable.

Solution:

Restart the PC, check the free space on the hard disk (should be more than 1 GB) and rerun the installation if the problem continues -> give us a call /email/ try to provide a trace file/remove leftovers of previous installations/...

What to do when there is no icon installed on your desktop?

Go to Start/All Programs/ColorNet® Pro/ColorNet® Pro → double click to open the program.



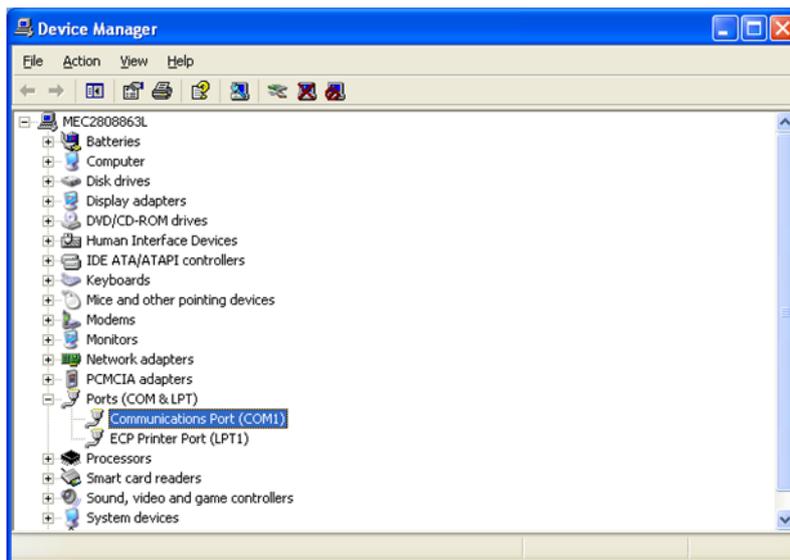
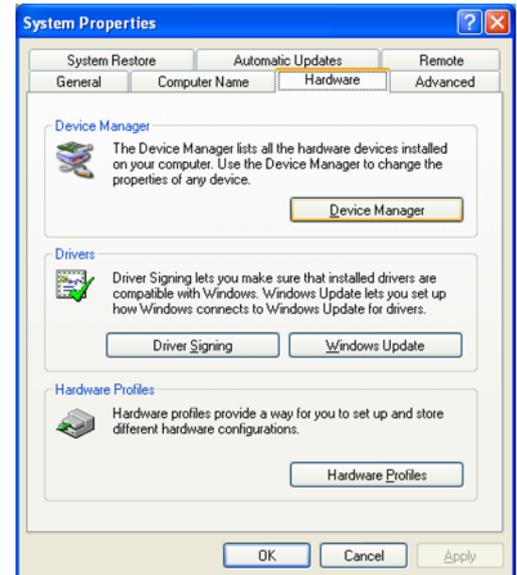
Open Windows Explorer.

Then open: C:\ColorNetPro\ColorNetPro.exe

When ColorNetPro.exe is selected, you can right click on the mouse and send the icon to the desktop to create a shortcut. When you double click on ColorNetPro.exe, the program will open.

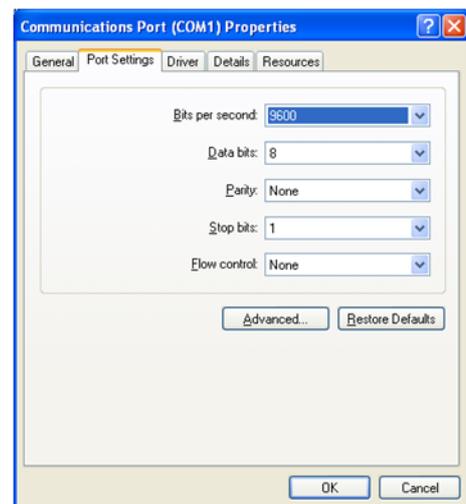
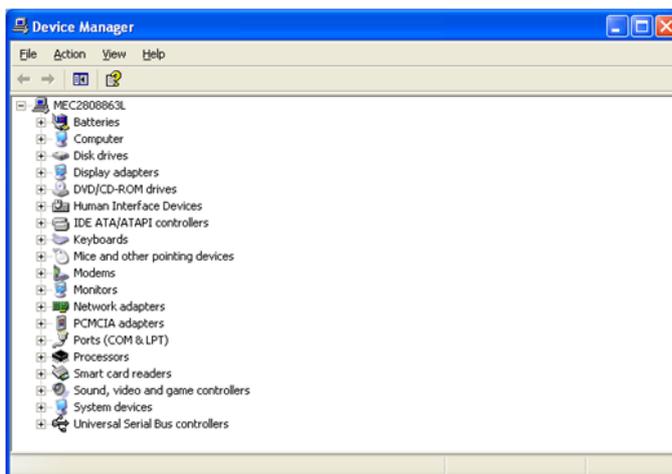
#### 6.1.1.4 Trace back the COM port number of a COM/USB port in use

- Right click on icon “My computer” on your desktop and go to properties
- In System Properties, go to the tab “Hardware” and there select “Device Manager”.
- In Device Manager, go to “Ports (COM & LPT)” to see which COM/USB ports are currently active on your PC.



In brackets, you see the COM port number that is dedicated to that COM port in use. This is the number that you have to enter in the communication settings in ColorNet<sup>®</sup> Pro.

- Double click on “Communications Port” to see the properties.



In the “Port Settings” tab, you can then see the speed of the COM port in use.

## 6.2 Information on External Devices

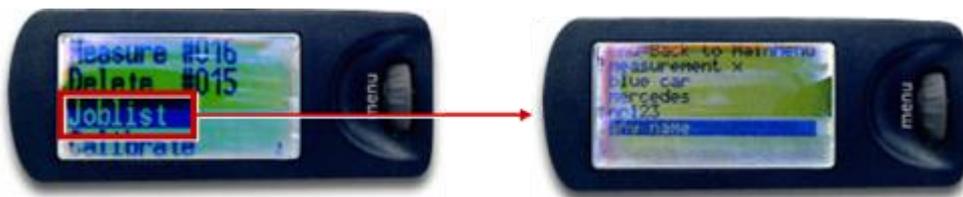
### 6.2.1 ChromaVision®

#### 6.2.1.1 Tips for success.

See separate document “ChromaVision®\_tips.doc”.

#### 6.2.2 Joblist.

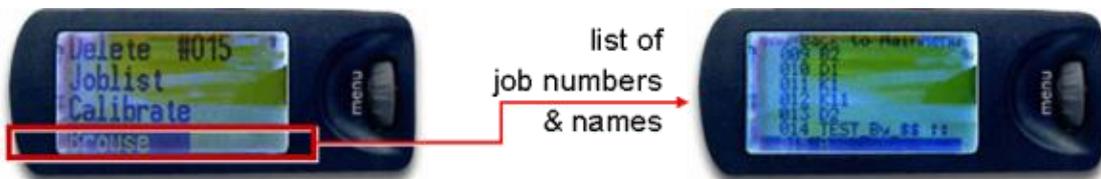
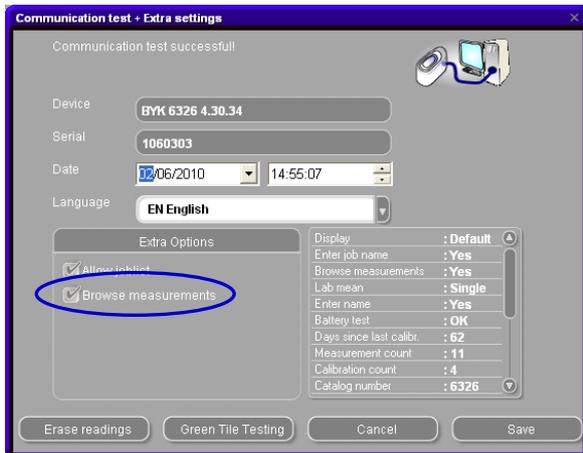
If you know the measurements to be done beforehand it is possible to create a joblist. Via colors -> ChromaVision® you go to the screen for criteria search. If you selected the option “activate joblist” (ChromaVision® -> communication and settings) and the device is connected to the PC, the „joblist“ – button is visible and activated (if the device is not connected, the button is visible, but inactive, if the option is not activated, the button is invisible).



Press the “joblist” – button, a screen opens. Enter the names of the jobs you plan to do (one name per line, next line with “enter”) and press “save”. In the display of the instrument another menu item appears: “joblist”. Highlight it by scrolling the wheel, press the “operate” – button: the names that were inserted on the PC show up. Choose a name and measure the sample. The name can still be changed afterwards if required. Measurements can be performed in any order.

### 6.2.3 Browse measurements.

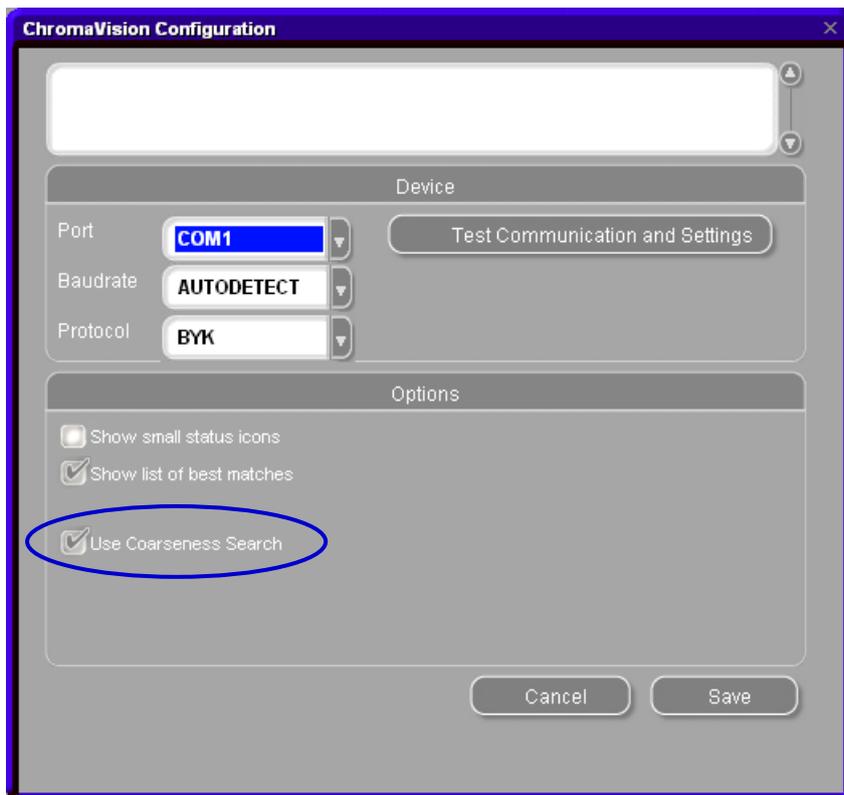
If under ChromaVision® -> settings the button „browse measurements“ is activated the display shows an extra menu item „Search“. By highlighting this item and pressing the „operate“ – button afterwards all stored measurements are shown. An asterisk in front of the entry means that this measurement has been transferred and dealt with in the program.



### 6.2.3.1 Search based on Flake Selector

The software needs to be installed including spectrophotometer module. This function needs to be activated via script<sup>1</sup>.

After having executed the script, an extra option will be visible in the ChromaVision® - communications and settings screen:



It is inactive by default, but can also be switched on.

Perform a communication test with your spectrophotometer after having executed the script.

<sup>1</sup> Scripts are little programs that activate extra functions or modules. They are protected by passwords.

There is another option in the following screen “Enable Flake Selector input on this device”.

If the communication test has been executed to a device where this option had been active before, the option will be active.

If the connection test is done to device without that option, it is inactive.

To activate the option on such a device, activate the option in this screen and press “Save”.

Communication test successful!

Device: **BYK 6326 4.27.29**

Serial: **1060303**

Date: **10/07/2010** 11:40:43

Language: **EN English**

Extra Options

- Allow joblist
- Browse measurements
- Enable Flake Selector input on this device

Display : **Default**

Enter job name : **Yes**

Browse measurements : **Yes**

Lab mean : **Single**

Enter name : **Yes**

Battery test : **OK**

Days since last calibr. : **45060**

Measurement count : **2**

Calibration count : **5**

Catalog number : **6326**

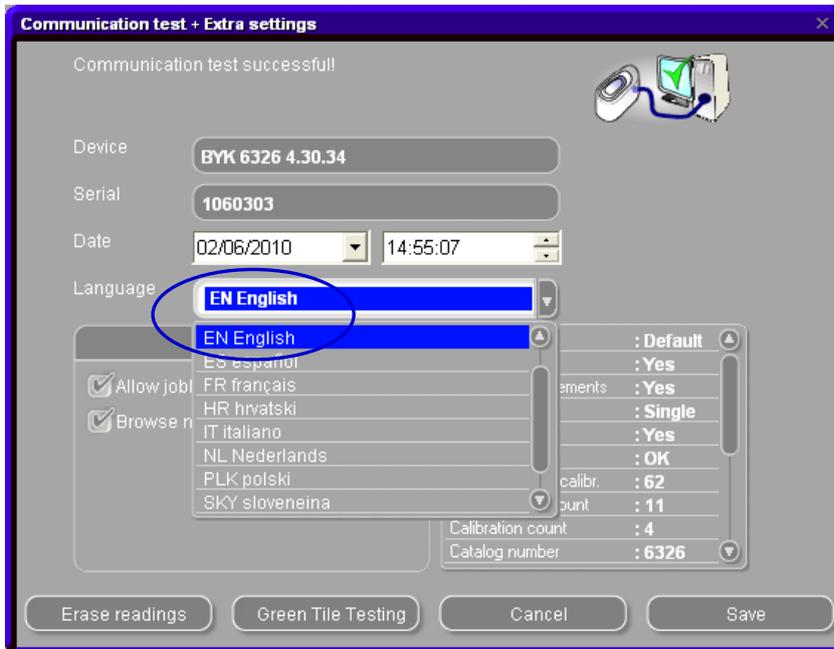
Erase readings Green Tile Testing Cancel Save

If this option is activated, you will be prompted for the input of the effect value on the display of the spectro device.  
If it is off, no input on the device itself can be made.

### 6.2.3.2 Language of ChromaVision® – display.

After successful communication test, you may change the language on the display of the spectrophotometer device by selecting the required language from the list

HINT: This is only possible with Byk devices.



### 6.2.4 Preparation of the surface, general advice.

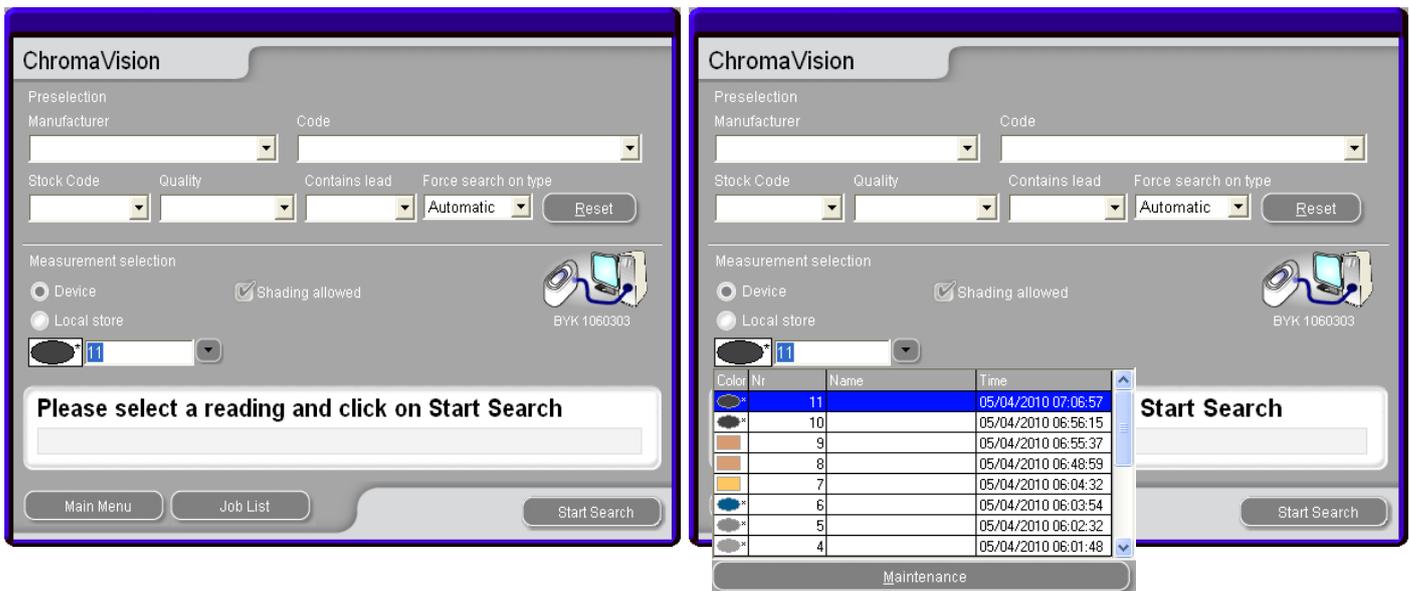
- The surface to be measured has to be clean as dirt and scratches interfere with the accuracy of the measurement. Clean the whole surface with degreaser and polish the part you want to measure.
- The surface to be measured needs to be even as otherwise the measurement may be affected by leaking in light. The surface needs to be entirely flat and clean.
- The standards have to be kept clean. Do not use cleaning agents as they contain bleaching agents. Neither use any solvents.
- Use warm water and a soft cloth.
- Calibrate the device under the same temperature and humidity conditions as you measure your sample. Don't perform measurements on hot surfaces: some pigments are thermo chromatic which means that they change their colours dependent on the temperature.
- Each measurement takes three readings on slightly different positions on the sample, but close to the damage.
- Always spray out a test card to check for accuracy.
- As the spectrophotometer has an internal lamp, the external light is irrelevant for the measurement. Faulty readings will be indicated on the display.
- Disconnect the spectrophotometer from the PC, take as many measurements as you like.
- Byk device only: before storing the measured values you are prompted for a name. The little arrow under the line points the position to be filled in next. Choose the character by turning the scroll wheel., by pressing it the character is confirmed, the arrow jumps to the next position. If you want to do changes in the name press the wheel until the arrow points to the required position.
- In case you created a joblist (Byk device only, s. Joblist, p. 106) the names of the joblist are displayed.

### 6.3 ChromaVision®: local store.

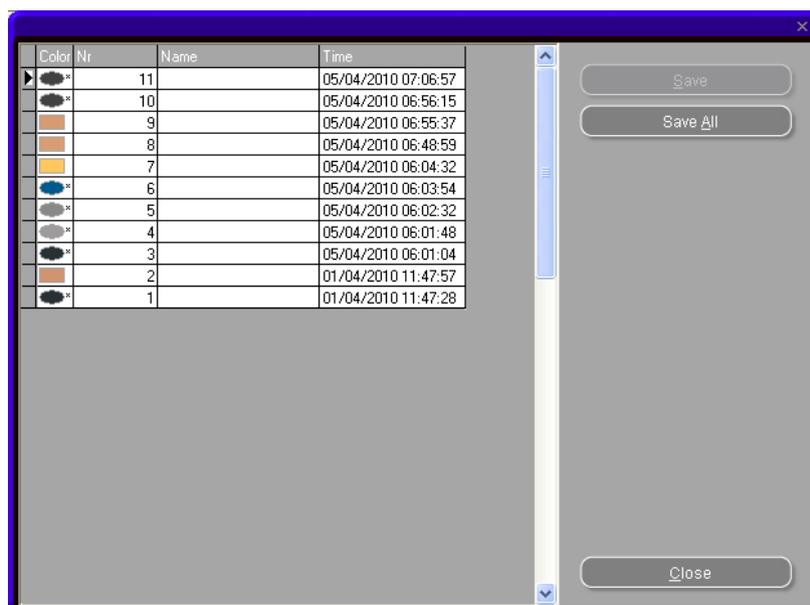
The spectro local store allows you to save measurements to a local store from where you can edit them. Once the measurements are in the local store, it is not necessary anymore to connect the spectro device to work with them. Measurements can easily be exchanged between PC's with the Import/Export functionality.

#### 6.3.1 Save a measurement to your local store.

In the spectro menu appearing after the transfer of measurements, there will be two more options: "Device" and "Local store". Select "Device" and at the end of the list of measurements "Maintenance" to open the menu. In this menu, you can save 1 or multiple measurements from the device to the local store.



NOTE: the "Save" button becomes active, as soon as 1 or more items are selected. The "Save All" button is always active.

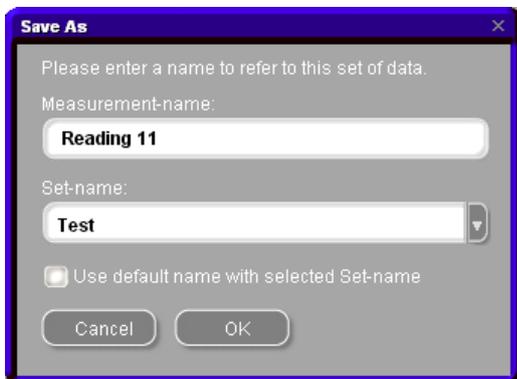


SAVE = saves only selected measurements.

Keep „Ctrl“ – key (bottom left on the key board) pressed, mark requested Lines with the mouse

give a set name

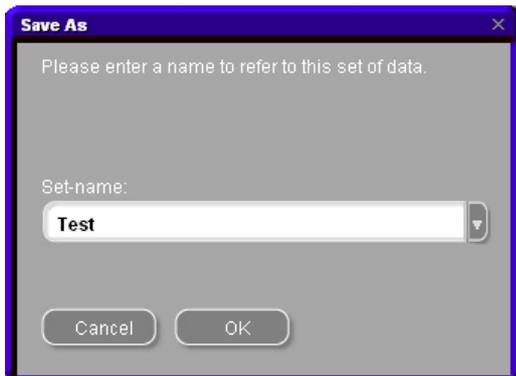
“Use default name with selected set-name” = proposed name for each measurement is OK, apply set name for all selected measurements.



SAVE ALL = saves all measurements

Only possible to enter a “set-name”

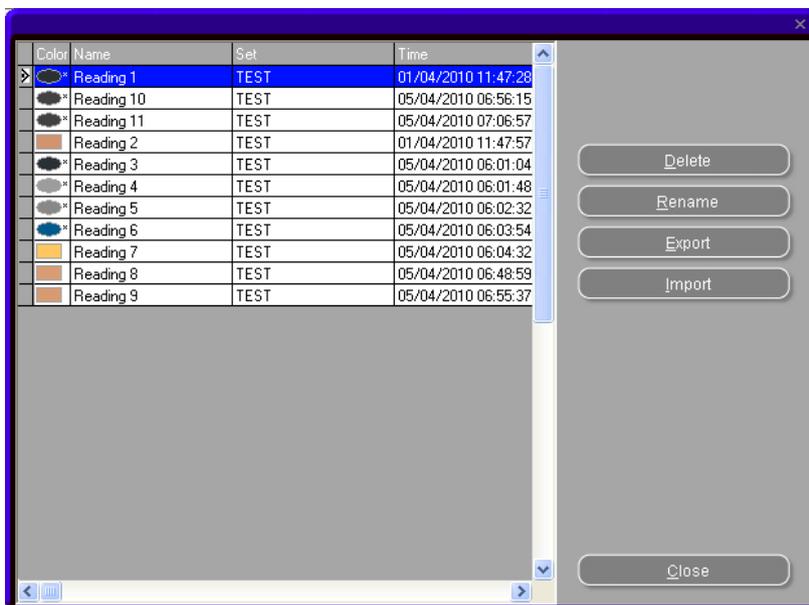
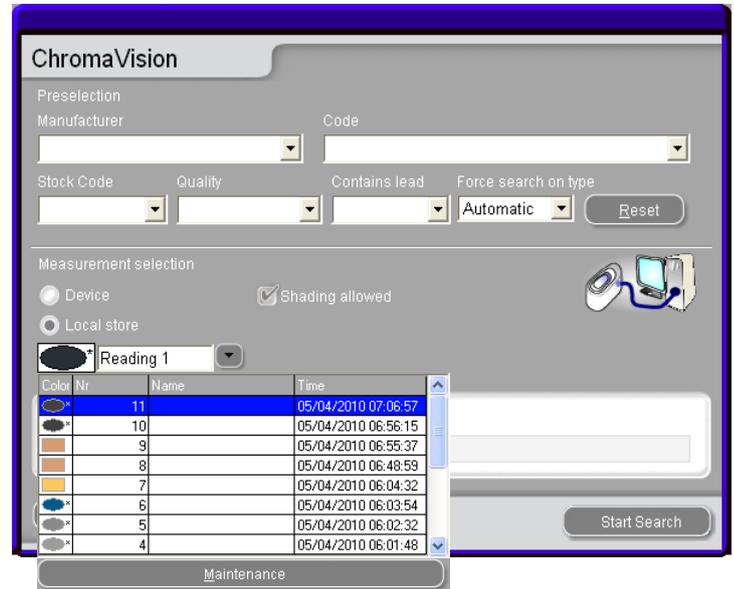
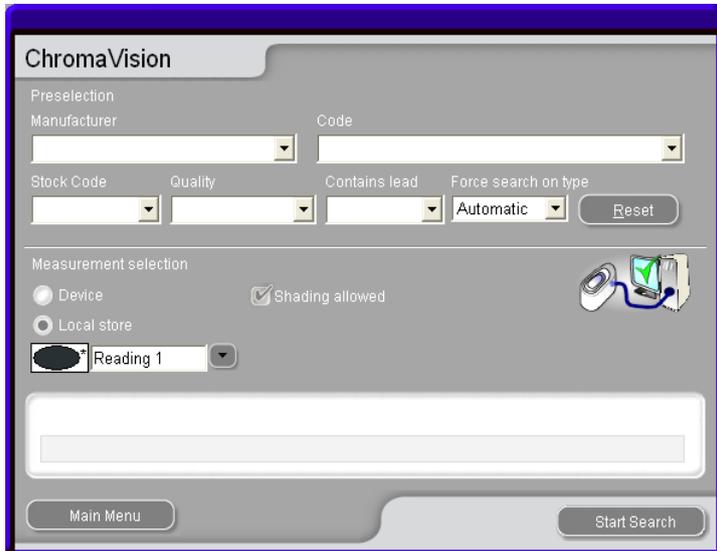
No name per measurement



### 6.3.2 Edit/view your local store.

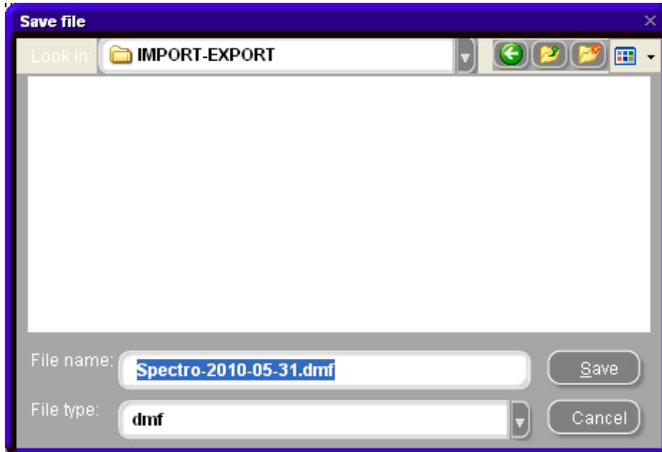
In the spectro menu, switch to “Local Store” and open the “Maintenance Menu”.

In the maintenance menu of the local store, you can: delete, rename, export or import measurements in the local store.



### 6.3.3 Export of measurements.

Select 1 or multiple measurements and click on the “Export” button. A dialog box will be opened, from where you can give a name to your “export” file. The file, will be saved per default under the “Spectro” folder of your colour tool. The file-type is \*.dmf



### 6.3.4 Import of measurements.

Select “Import” out of the maintenance menu. A dialog box will be opened, from where you can select the measurement(s) you want to import. Select the file and click “Open”.



### 6.3.5 Label Printer Installation

New labelprinter: use installation CD-ROM to install the printer in Windows. The printer will then be listed with the other print drivers on your PC.

No CD-ROM or old printer: consult websites of printer manufacturers (syko, dymo) to find the last driver for your PC/operating system. Ask for IT assistance if needed.

## 6.4 Transferring an individual country / language combination between PCs.

Due to legal requirements, the size of SDS documents increased, so that they extend the storage capacity of a CD. Thus they are now stored on DVD.

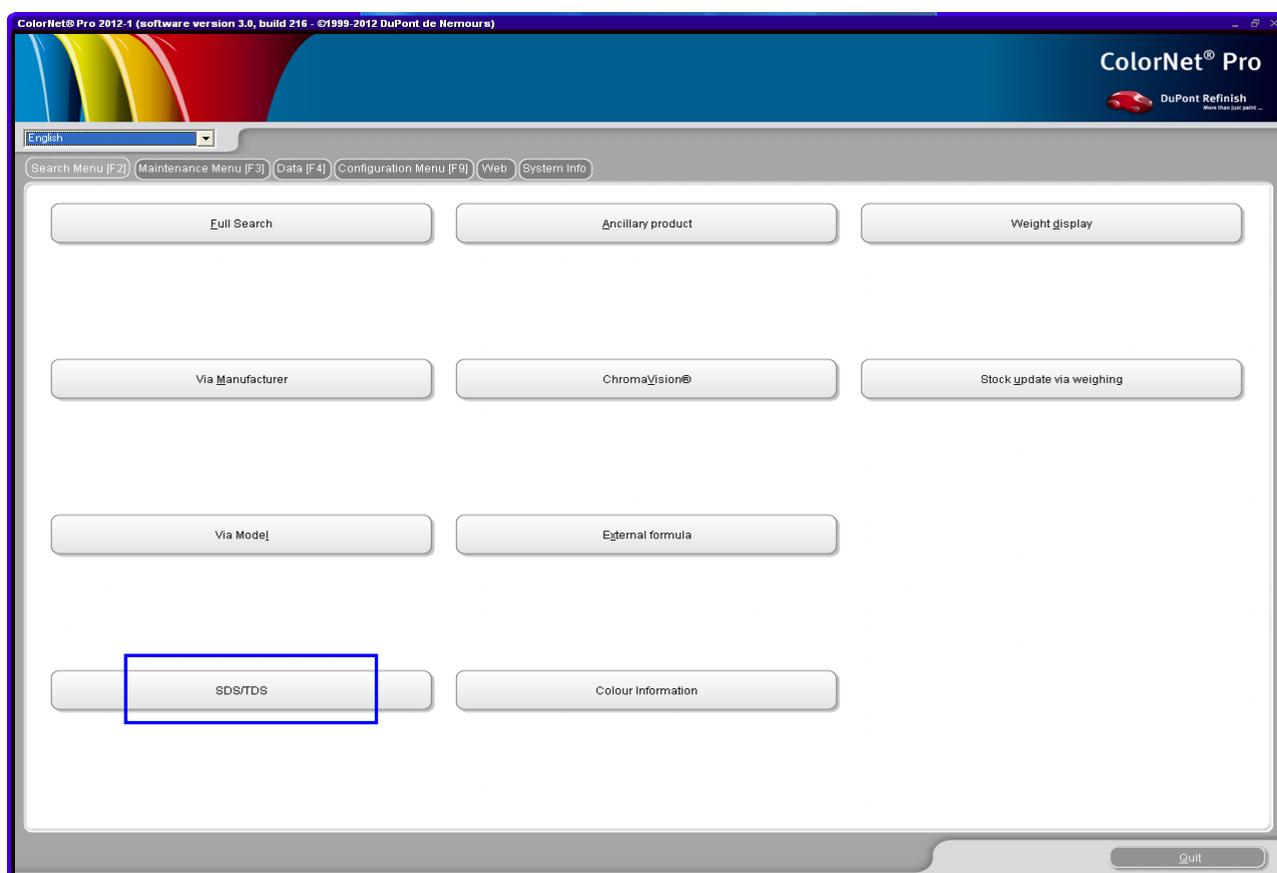
Seeing that not all Mix PCs in body shops are provided with a DVD drive, but to make sure that the documents can be retrieved on all work places where necessary, this new DocViewer version gives the possibility to store selected datasheets onto a movable storage device. From this, the datasheets can be transferred to any PC.

### 6.4.1 Procedure

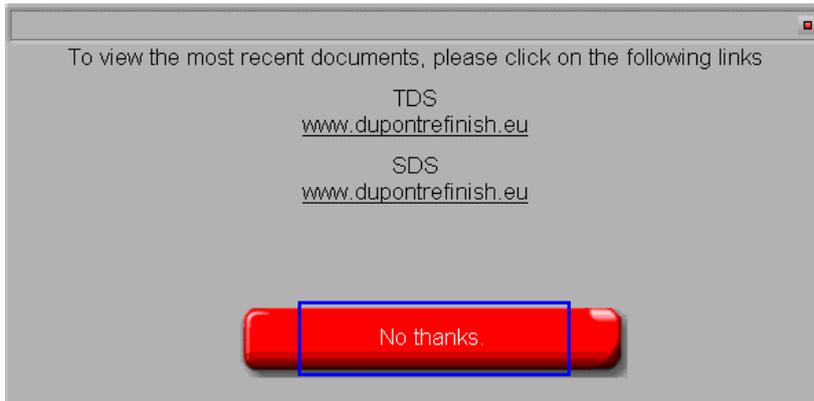
#### 6.4.1.1 On the PC with DVD drive

Install the DocViewer version that comes as of CD update 2/2011.

Open the DocViewer (either from Start - Programs or out of ColorNet® Pro)

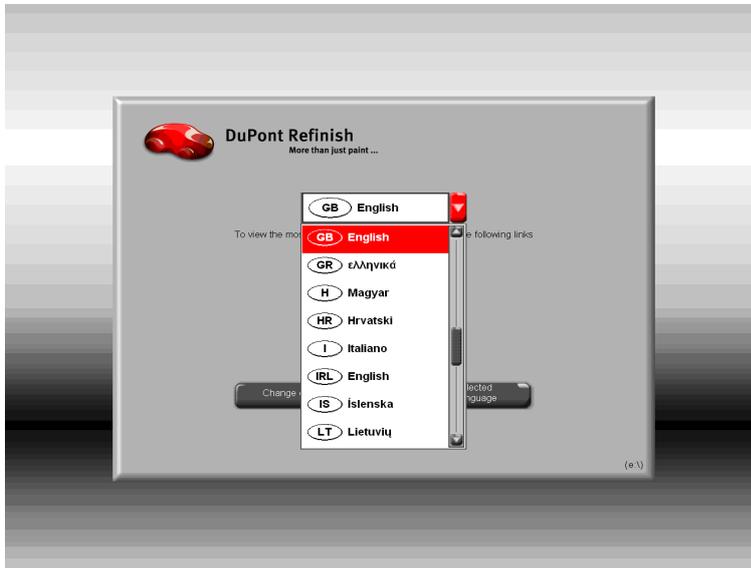


This screen opens



Click "No thanks".

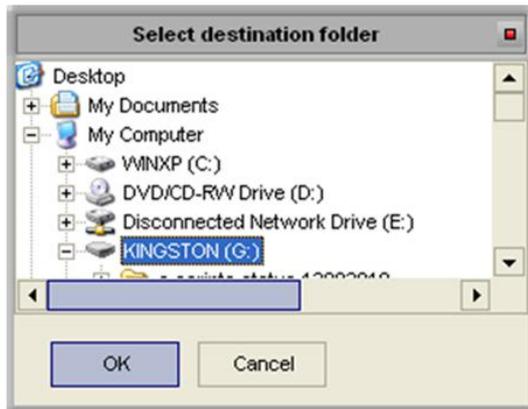
In the following screen you are asked to insert the CD (ColorNet® Pro CD), select the drive from the dropdown. This screen pops up:



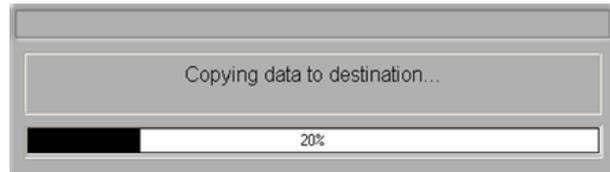
The default settings are "A deutsch" (German for Austria).

Select your required country – language combination from the dropdown and press "Export selected country/language".



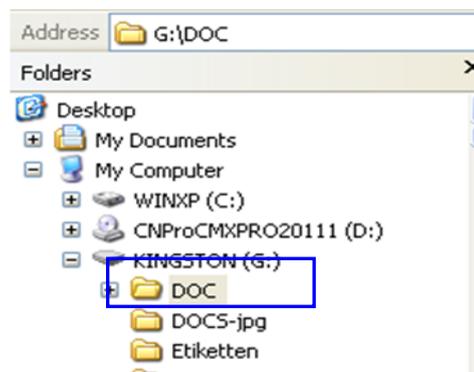


You will be asked for a destination, most likely you will select a USB-stick, but any other place is possible.



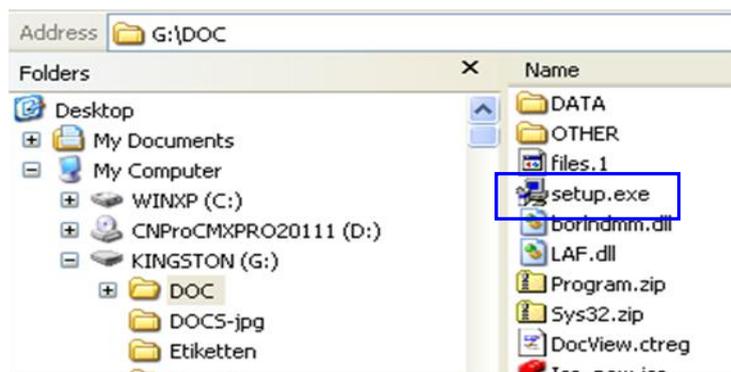
Press "Ok", the transfer takes some time.

The exported folder is called "DOC":



#### 6.4.1.2 Procedure on other PCs (without DVD-drive).

Copy the "DOC" folder from the movable storage device on any other PC, where the documents are required. Go into the folder and double-click "setup.exe" to install the new version on this PC as well.



### 6.4.1.3 Retrieve documents

Open DocViewer (either from Start - Programs or out of ColorNet® Pro).  
Go to "Change data source".

"Drive selection" is active by default. If the "DOC"-folder is directly on a drive, select this drive.

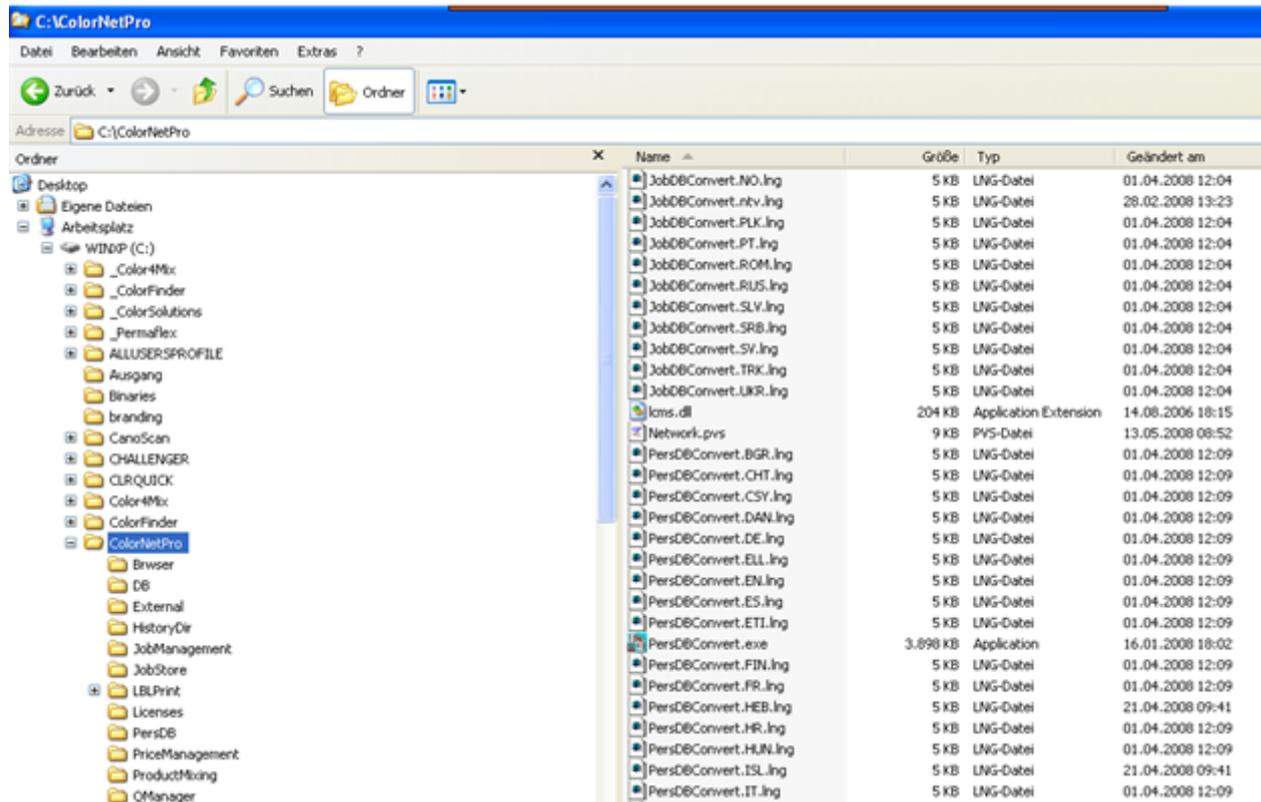
If the "DOC" - folder is in a sub folder, go to "Folder selection" and browse to the folder that is **one level above** the "DOC" - folder.



## 6.5 Conversion of ColorNet® Pro personal database

Personal formulae from the old ColorNet® Pro program can be converted to ColorNet® Pro.

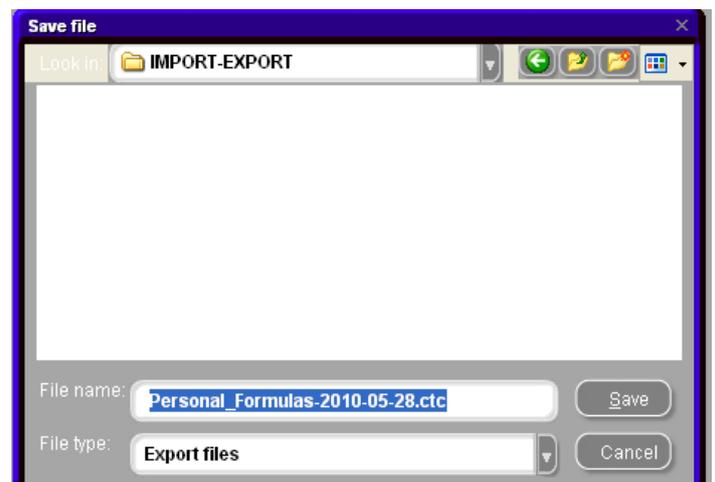
- Go to the ColorNet® Pro-file on your hard disc.
- Click “PersDBConvert.exe”,



ColorNet® Pro finds the Personal database from old ColorNet and stores the data in a folder in the “DuPont Refinish Import-Export.ctc”-file on the desktop.

- Import the data into ColorNet® Pro as described in Import of personal formulas, p. 69.

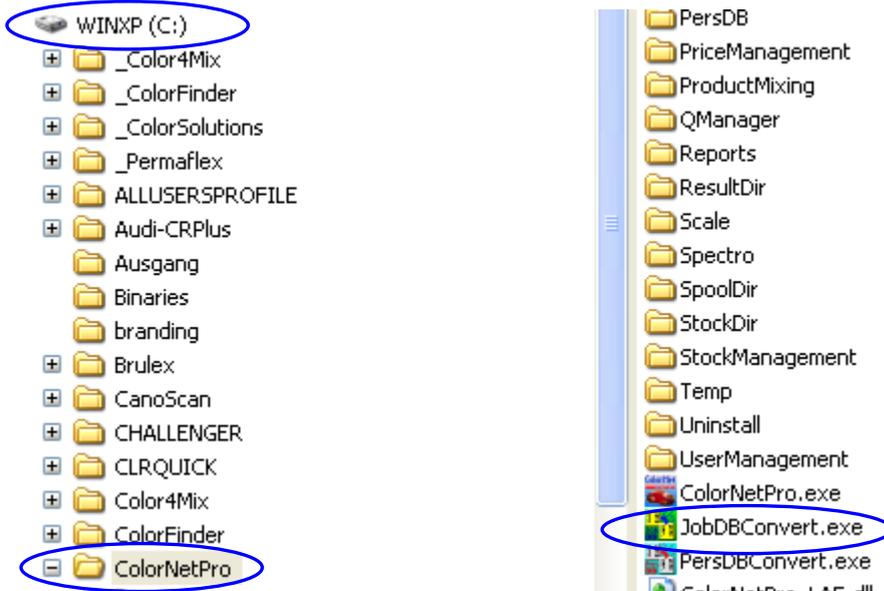
NOTE: Even though it is possible to convert the personal database from ColorQuick to ColorNet, but the customer will have to do some maintenance to get the data clean in the system. The data is transferred, but some info does not appear on the same places, e.g.: manufacturer = colour code from the old tool.



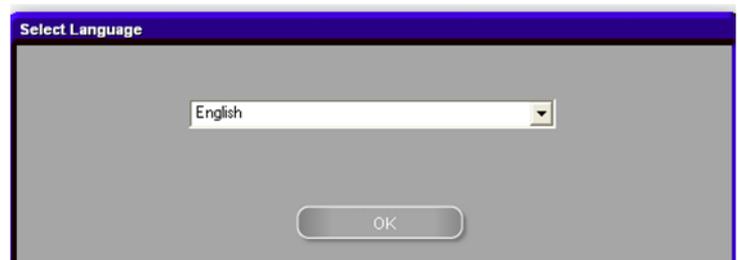
## 6.6 Job database convertor

In ColorNet® Pro, it is possible to import your converted job database from ColorQuick or ColorNet®. This way, it is possible to integrate the info from your OLD colour tool into your new colour tool.

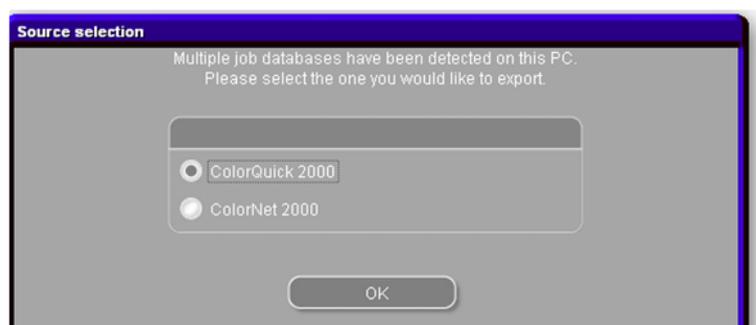
- Install ColorNet® Pro
- Open: C:\ColorNetPro\JobDBConvert.exe



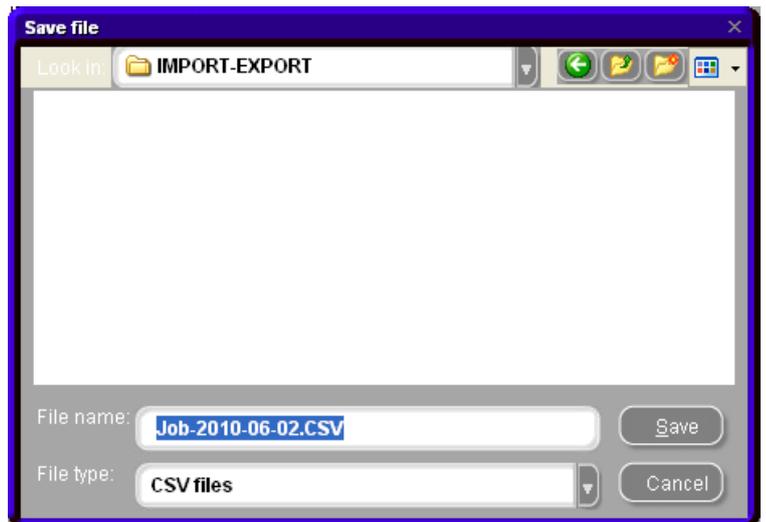
- Run the program JobDBConvert.exe by double clicking on the file.
- Select your language



- Select the program from which you want to convert from and press OK.
- The program will automatically detect the databases installed on your PC.



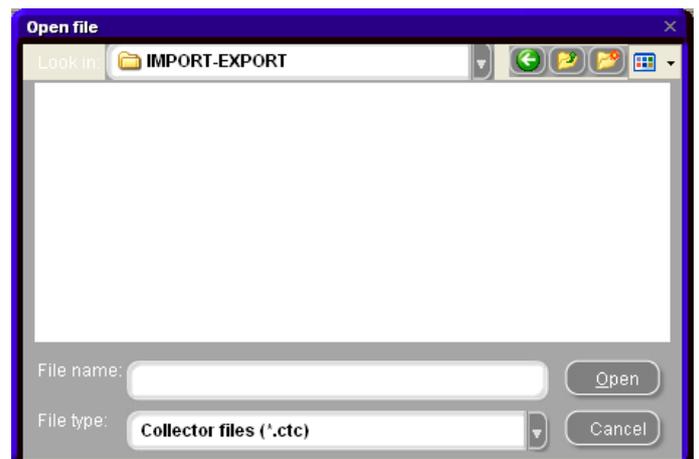
- Give your old database a name. The file will automatically be stored under C:\Documents and Settings\All Users\Shared Documents\DuPont Refinish\Import-Export. The folder is automatically installed on your desktop during the installation of the software.



- After you converted the JobDB, open Maintenance/Job maintenance in ColorNet® Pro

Job maintenance

- Select "Import" → the Import-Export folder will be opened automatically.



- Select the file you wish to import. In this case: "Old ColorQuick DB.ctc" and click "Open" to import the data.

NOTE: It is possible to convert the reports, but not all info from ColorQuick or ColorNet is transferred (or not existing, so empty), e.g.: comments, Job ID, accuracy.

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