# Standowin.

## Manual.

**Status: March 12.**

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# Standowin.

**Standowin** is a Windows based colour retrieval program. It provides fast access to all the colour data you are likely to need. The basic installation comprises the following features:

- multiple search paths to the formula that will match best the colour you search;
- 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;
- label printer;
- electronic communication between PC and scale;
- formula can be recalculated in case of over pour;
- 2 reports.

Some features can be installed additionally with password "EXTRAOPTIONS":

- find the formula for ready for use combinations and the ancillary products (primers, clears...) according to the TDS specifications ("productmix");
- search via spectrophotometer;
- price manager;
- connection to an EcoMix terminal in connection with a scale;

user management is automatically installed when either EcoMix or/and price management are installed;

Some features can be installed additionally with a special password:

- 5 additional reports;
- stock management;
- search via spectrophotometer;
- connection to an EcoMix terminal in connection with a scale;

user management: is automatically installed when either EcoMix or/and price management are installed;

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:<br>1 Scale, 1 Label Printer, 1 Spectrophotometer<br>(+ other hardware from the PC that require USB or COM ports) |
|---|

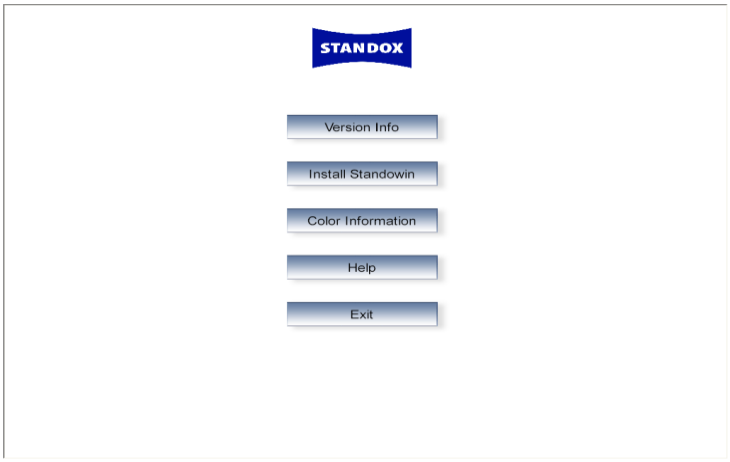
| For the connection of 1 or 2 EcoMix instruments foresee the appropriate number of ports. |
|---|

Checking the free hard disc space for Windows XP
Double click on “My Computer” -> right click on the C-drive icon -> left click on “properties” -> free space is listed.

# 1 Installation of Standowin.

Close all other applications. After having inserted the CD into the CD drive the first page will open automatically ("Autorun"), it contains information about the current update.
Click „Next" (at the bottom of the page), the table of contents of this CD opens up:

- Update Info: this is the page that you just left to go to the table of contents;
- Color Information: here you will get information on paint systems (new qualities, special pigments, etc.) and on carmakes (by clicking the entries in the column on the right);
- Help: hints on installation
- Exit: you can leave the program by clicking this button.

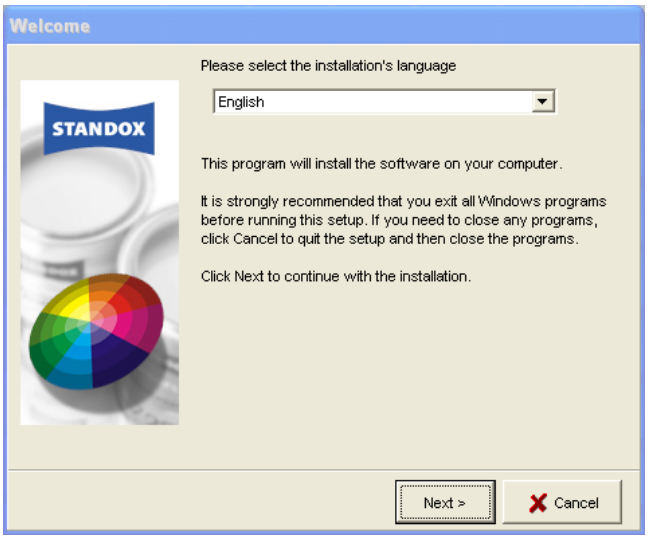


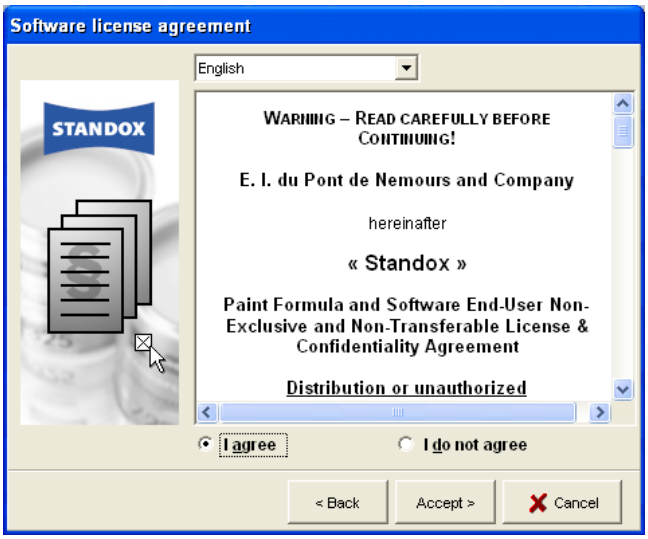

## 1.1 Installation of the colour retrieval program.

Click the „Install" – button in the table of contents.

In the first screen that opens up you can choose the installation language, click "Next".

The license agreement is diplayed to which you have to agree with "I agree" before you can go on.



Now you decide on the setup type. “Typical” means the base program will be installed, i. e. the colour retrieval program without additional modules.

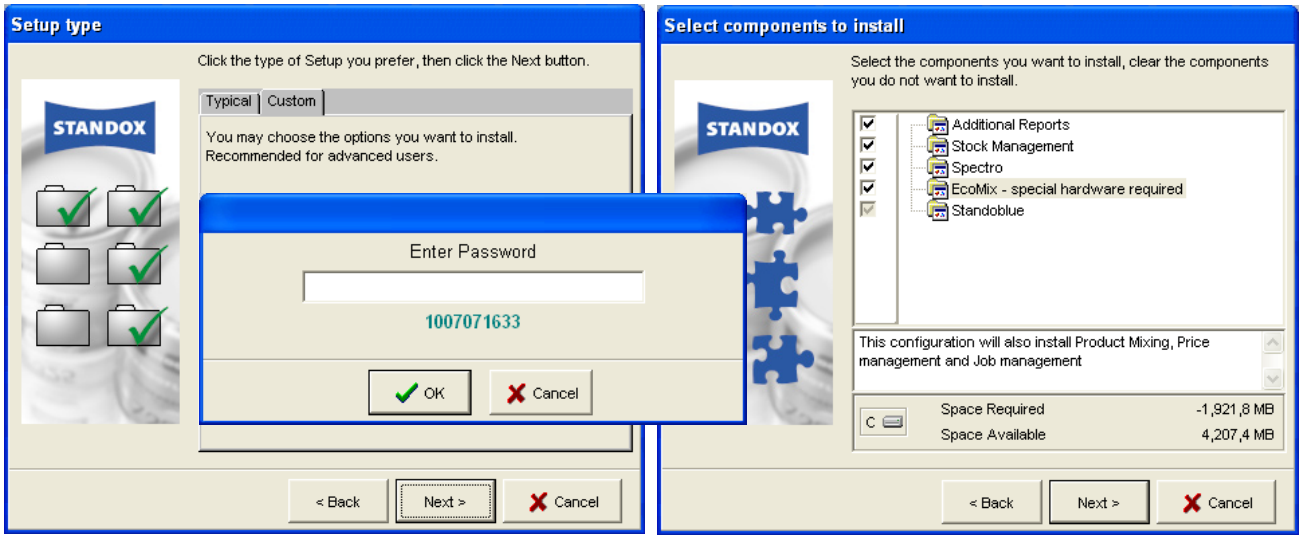
Click „Next“ to choose the destination directory and „Next“ to start the installation. It takes several minutes.
Leave the last screen with „Finish“, the table of contents will come up again, leave it with “Exit”.

The Standowin - Icon

will be displayed on your screen now, open the program by double clicking the icon.

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

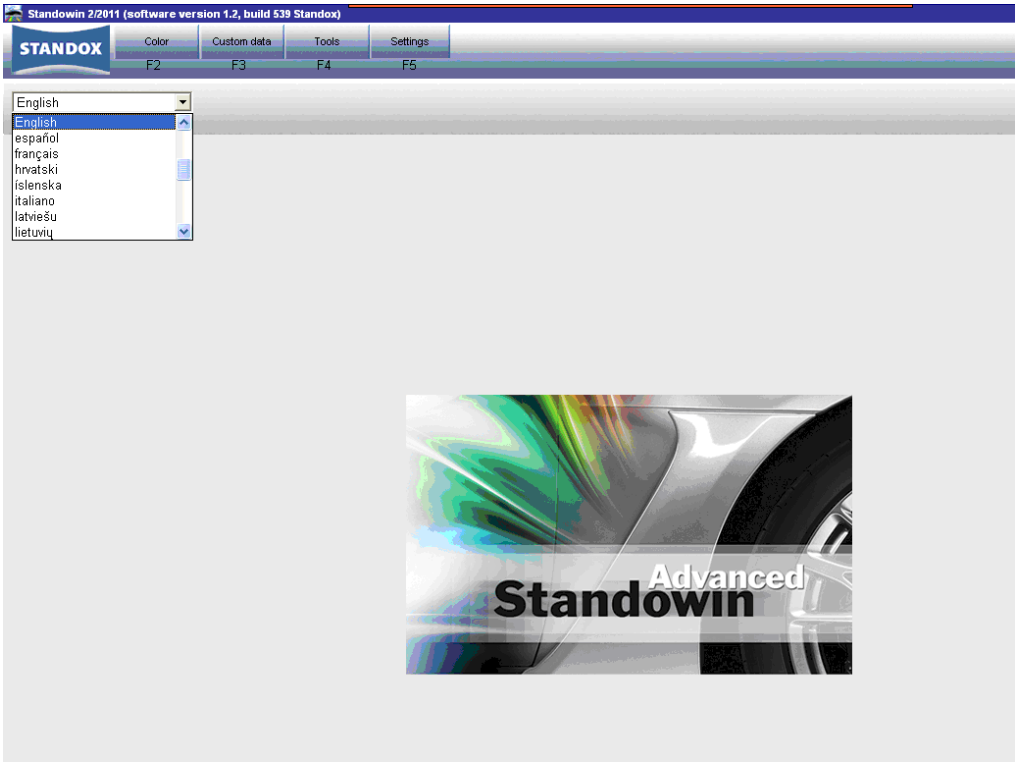
Start like described under Installation of Standowin, p. 10. Select „Custom“ as setup type, you will be prompted for a password.




After having inserted the password you can choose from a list the modules that you want to install on top of the color retrieval. You will be asked for another password as soon as you have selected the spectro module.

# 2 The Colour Retrieval Program.

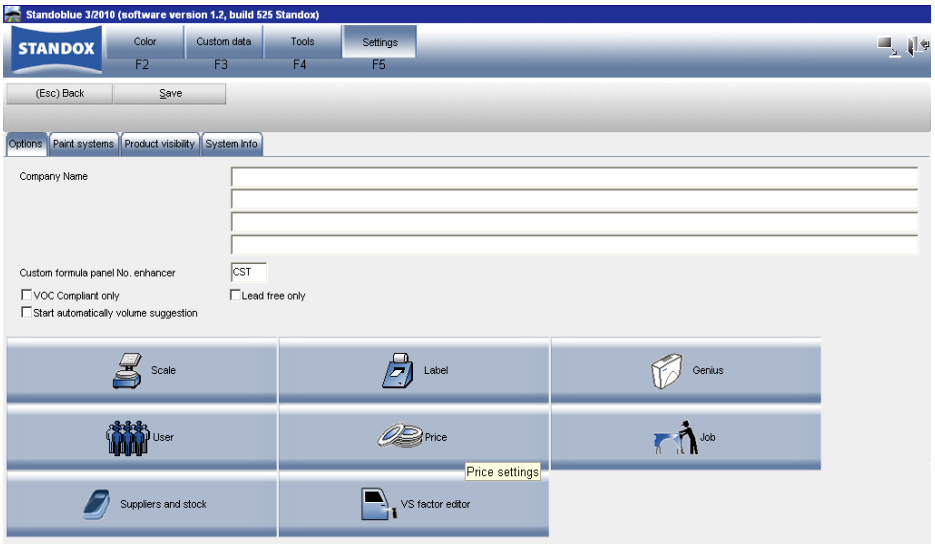
First choose your language from the list.




## 2.1 Settings.

Start page -> Settings

Here you can configure the program according to your requirements. The settings are done once and only changed when necessary.



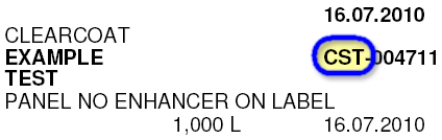
## 2.2 Options.

### 2.2.1 Company Name.

Name and address of your company will be displayed on the main screen as well as on labels.

### 2.2.2 Custom formula panel No. enhancer.

This three digit letter combination will be put in front of your custom formulae (default is "CST").
It will be printed on labels and reports.




### 2.2.3 VOC Compliancy.

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 paint system).
When working with VOC compliant and non-compliant paint systems / products, leave this check box empty and do the deactivation via Paint Systems, p. 47 and / or Product Visibility, p. 48.

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. 48 and Paint Systems, p. 47.

### 2.2.4 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 seperately in the product).
When working with lead free and lead containing paint systems / products, leave this check box empty and do the deactivation via Paint Systems, p. 47 and / or Product Visibility, p. 48.
This lead free only selection has influence on the display in the following modules:

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

unless forced by pressing the button "Show all" in the respective screens.
S. a. Product Visibility, p. 48 and Paint Systems, p. 47.

### 2.2.5 Default Unit.

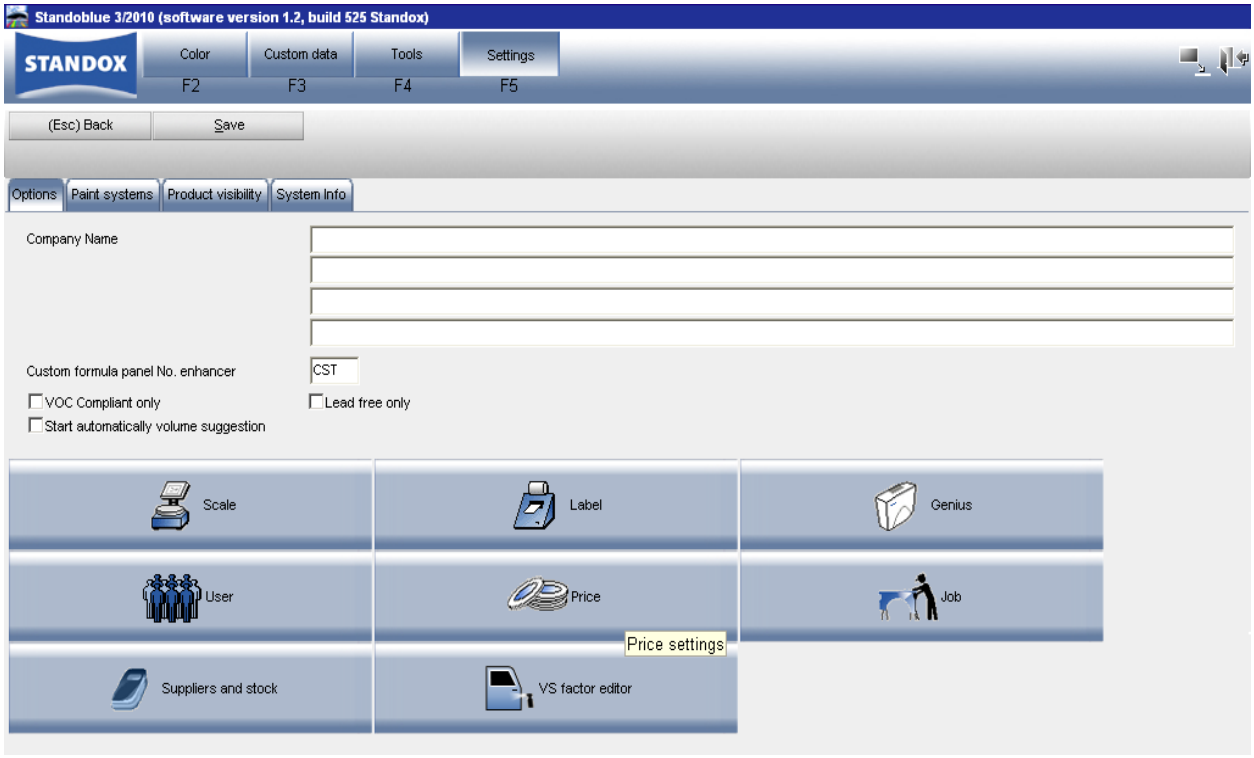
The unit defined here will be the one that a formula will be displayed in the formula screen (s. Desired Volume, p. 70). In can still be changed there, though.

### 2.2.6 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.

## 2.3 Settings of external devices and other modules.

By clicking the respective icons, you can configure the settings for these devices and other modules.



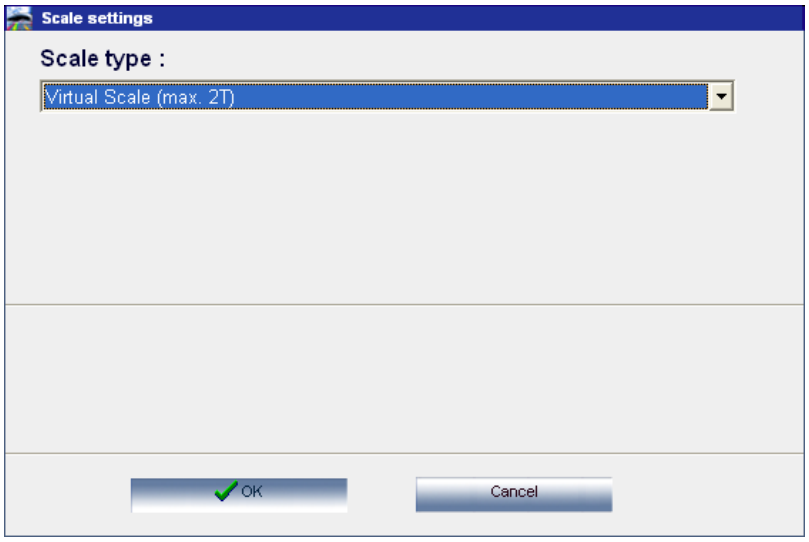
### 2.3.1 Scale.

#### 2.3.1.1 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. 110) as well as via reports (s. Reports, p. 88).

Connection test is not necessary / applicable.




#### 2.3.1.2 Other Scales.

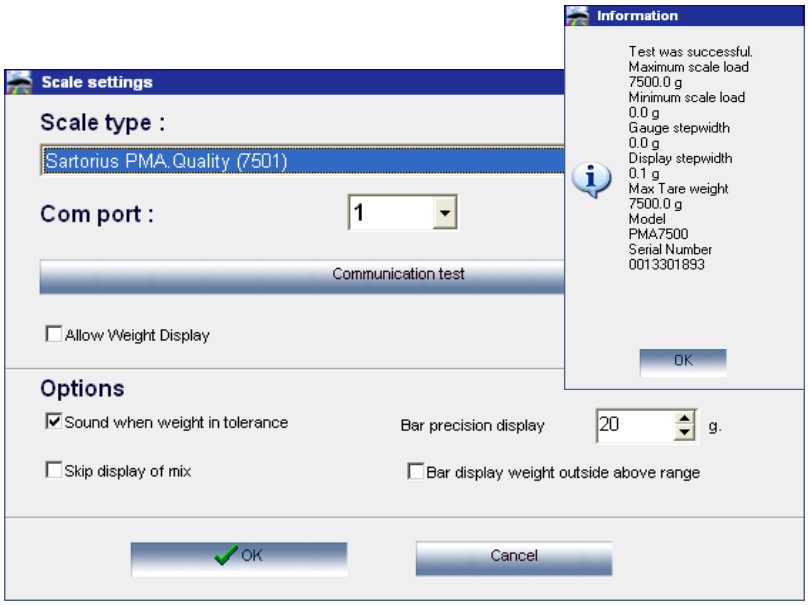
All scales listed can be used with the colour retrieval program.

### 2.3.1.3 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




### 2.3.1.4 Scale Options.

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

#### 2.3.1.4.1 Sound when weight in tolerance.

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

#### 2.3.1.4.2 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...".

#### 2.3.1.4.3 Bar display weight outside above range.

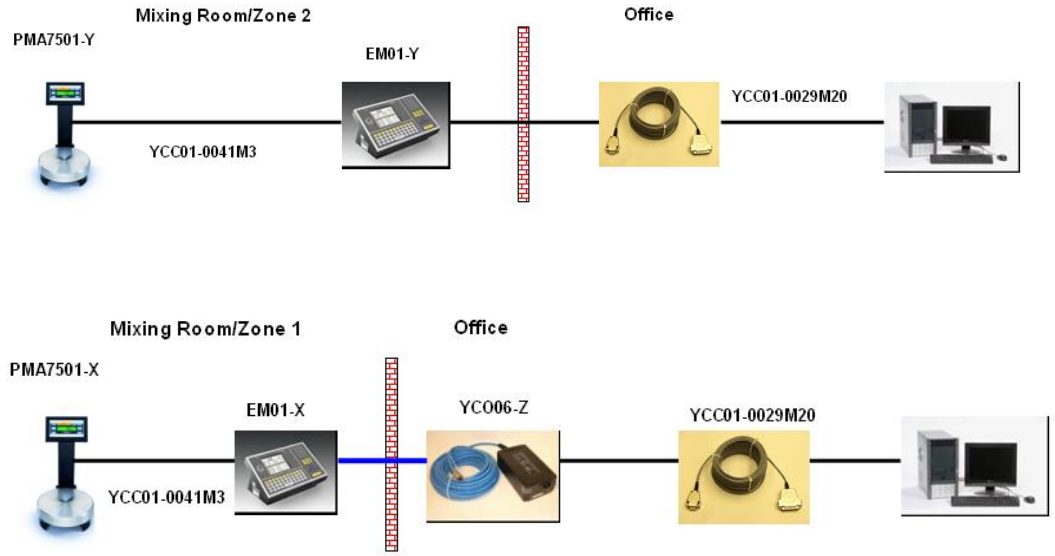
The bar on the PC scale screen displays the weighing process from the beginning. If this option is not checked, only the last grams (precision range) will be displayed.
Precision range: towards the end of the weighing process displayed range, minimum 20 g (default), maximum 100 g.

### 2.3.1.5 Allow weight display.

This option allows to use the computer screen as a scale display for scales without head. Products can be weighed independent of a formula.
The scale display is accessible via Tools: “Manual Scale”.

### 2.3.2 Configuration of the EcoMix terminal

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




#### 2.3.2.1 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.

#### 2.3.2.2 Installation.

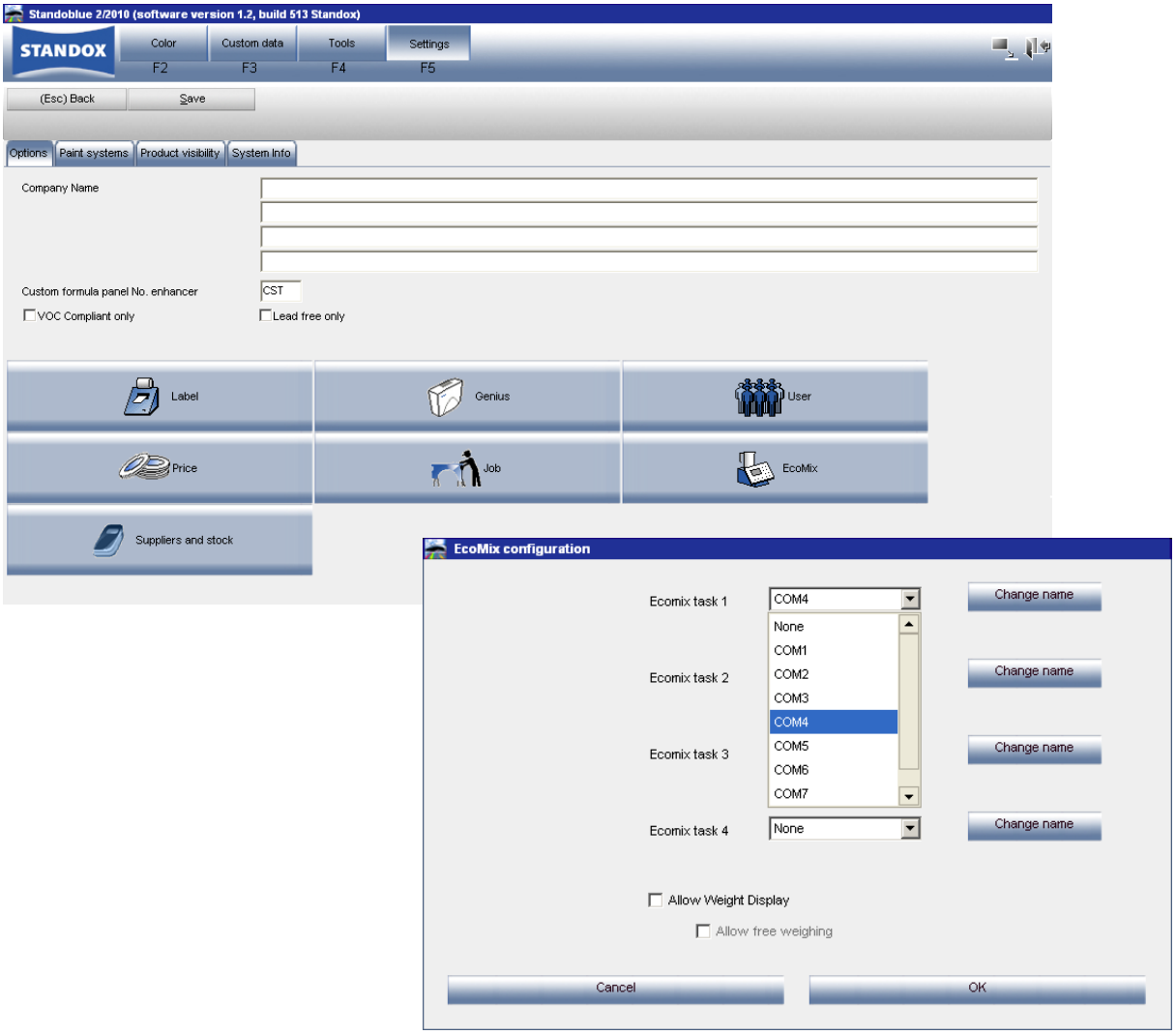
During installation of our software, the user has the possibility to install a normal scale or an EcoMix.
A normal scale is automatically installed by the software with a standard installation. The EcoMix can be installed by selecting it from the "custom" tab in the installation wizard of the tool.

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.

### 2.3.2.3 Configuration.

#### 2.3.2.3.1 Hardware.



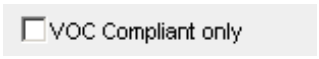

The EcoMix needs to be configured, before working with it. Therefore go to: settings/EcoMix. In the configuration menu, you can then:

- 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. 22.

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.

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

##### 2.3.2.3.2.1 VOC Compliancy.

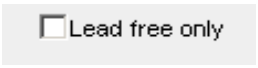



S. a. VOC Compliancy, p. 13.

- 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.

##### 2.3.2.3.2.2 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).

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

##### 2.3.2.3.3.1 User Management.

S. a. Users, p. 36.
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

#### 2.3.2.3.3.2 Send to scale configuration.

S. a. Send to scale / Job Configuration, p. 43.
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.

#### 2.3.2.3.3.3 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).

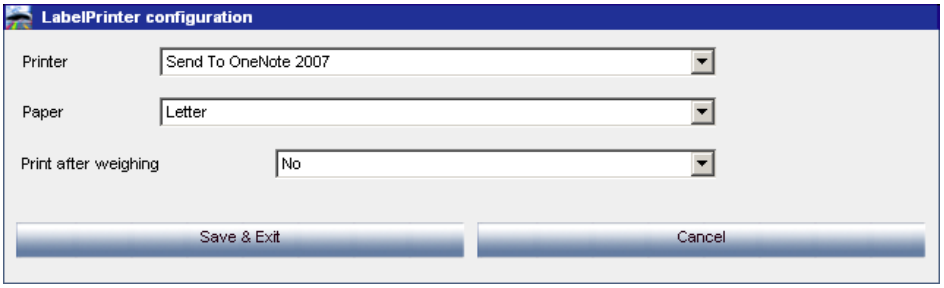
The job will be recorded and the info will end up in the reports afterwards.

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.

### 2.3.3 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.

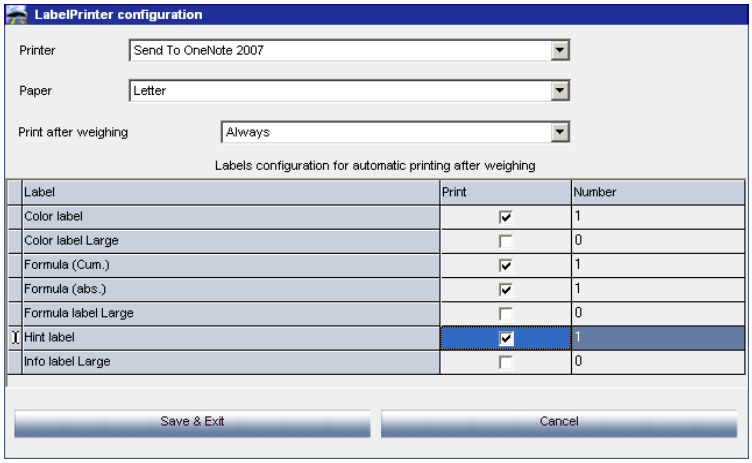



NOTE: Reports are laid out for DIN A4 format. The required printer can be selected from the report module.

#### 2.3.3.1 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.

### 2.3.4 DocViewer.

Settings of country and language combination for SDS/TDS.
The DocViewer program has to be installed (s. Installation of DocViewer, p. 112).

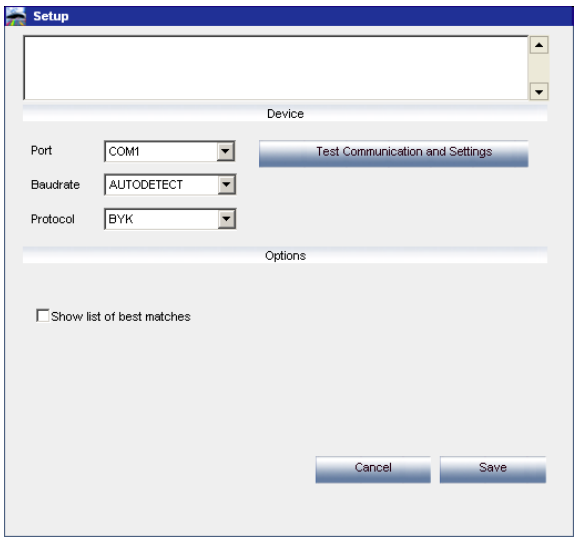
## 2.3.5 Genius.

### 2.3.5.1 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. 11.
Open Standowin.
Hint: You accelerate the Genius search if under „Paint Systems" (p. 47) only those qualities are activated that are actually available.

### 2.3.5.2 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 57, display: „jobs") and/or the search for single readings in the display of the device („browse measurements", Byk instrument only; s. Browse measurements, page 57, 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. 59.
When comparing the formulae from the database with the reading L, a, b – values are taken into account, no hint on metamerism is given.

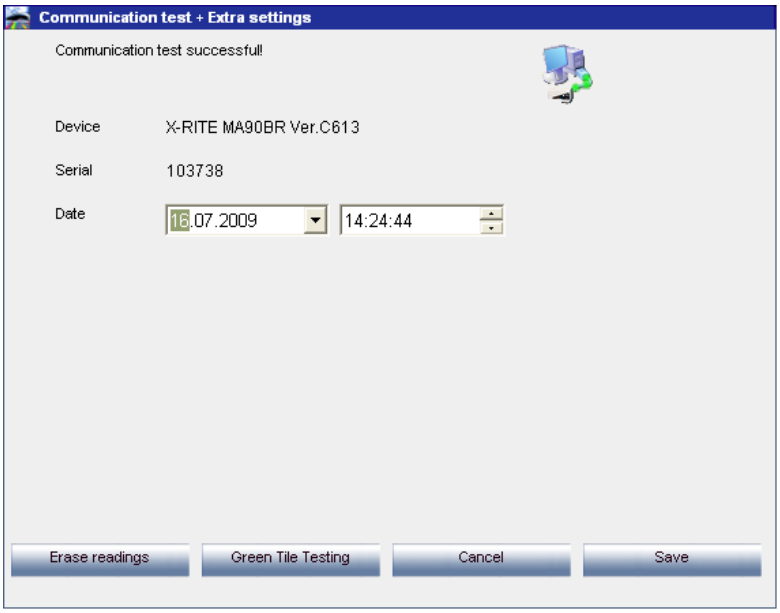



For more info on colour and metamerism, please check the curves (s. Reflection curves, p. 68).

Screen after successfully performed communication test:

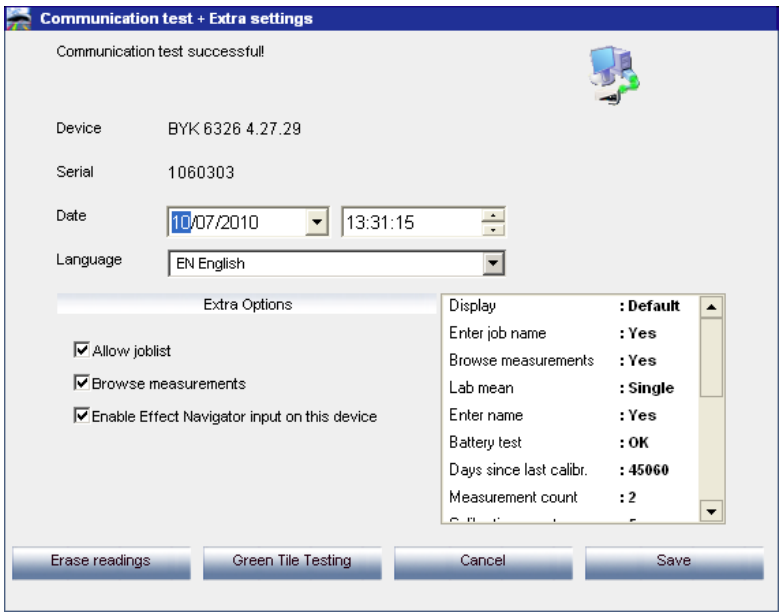
X-Rite:
In this screen you can

- see which device is connected with which serial number;
- set the correct date and time;
- erase readings: s. Deletion of Readings, p. 28;
- perform the Green Tile test: s. Green Tile Test, p. 29.




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. 28.
- perform Green Tile test: s. Green Tile Test, p. 29.
- Change the language of the device (s. Language of Genius – display, p. 28);
- Work with a joblist (s. Joblist, p. 57);
- Browse measurements (s. Browse measurements, p. 58);
- Enable Effect Index input on this device (s. Search based on Effect Navigator, p. 26).
-

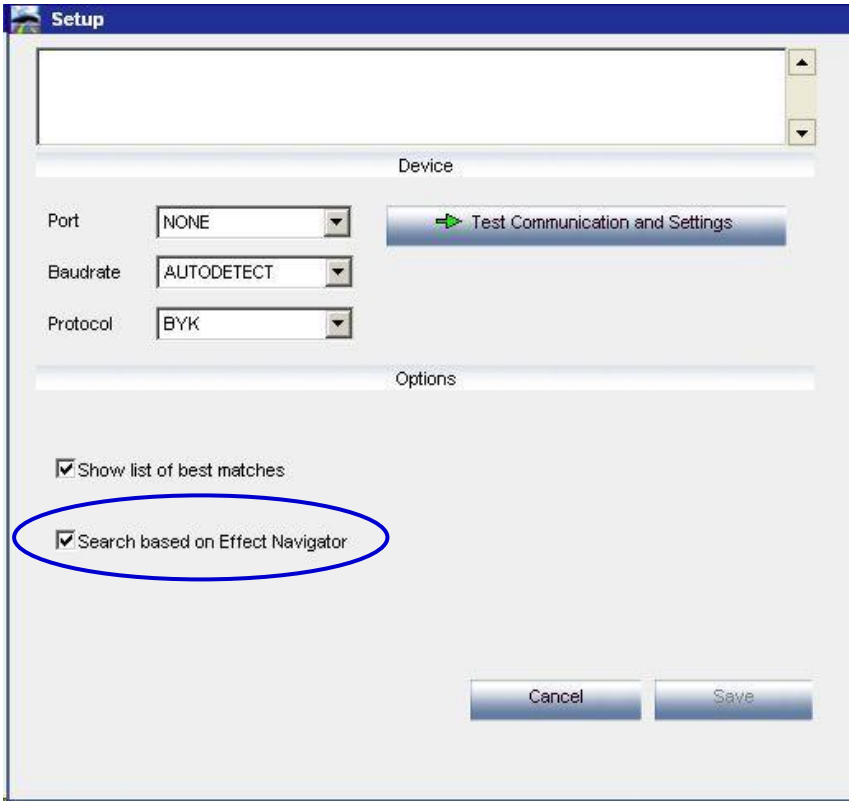



NOTE: the last four features are not possible with an X-Rite instrument.

#### 2.3.5.2.2 Search based on Effect Navigator.

The software needs to be installed including spectrophotometer module.

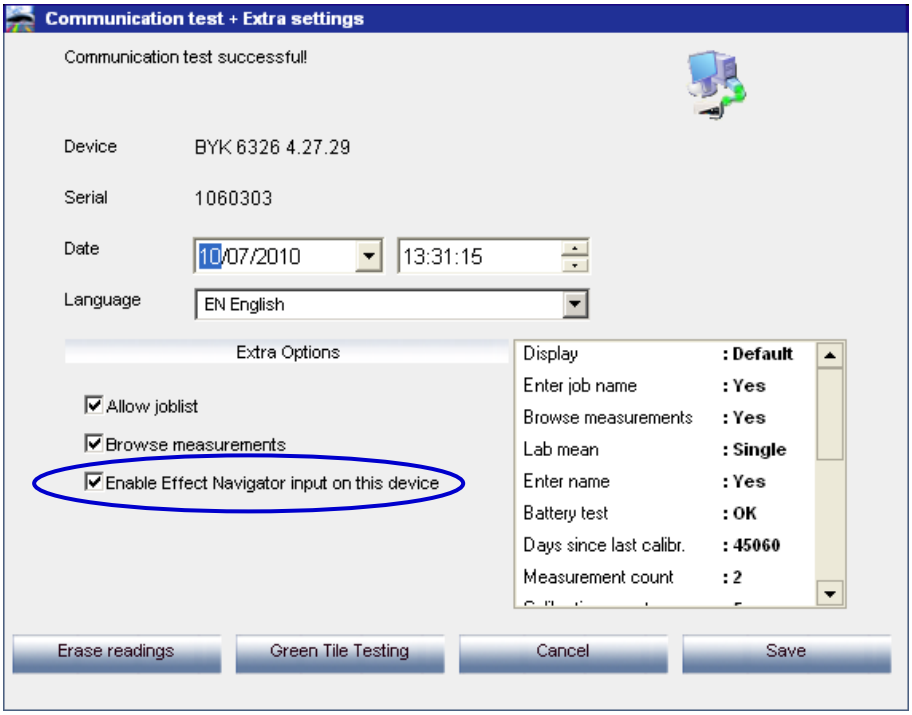
In the Genius- communications and settings screen the option is visible:




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

There is another option in the following screen “Enable Effect Navigator 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”.

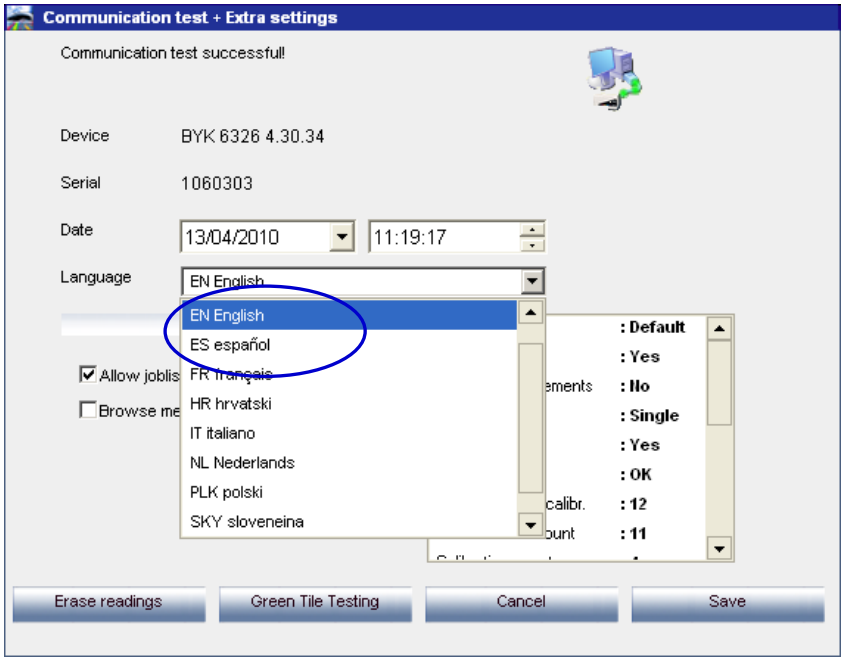



If this option is activated, you will be prompted for the input of the effect value on the display of the spectro device.
If it is off, no input on the device itself can be made.

### 2.3.5.2.3 Language of Genius – display.

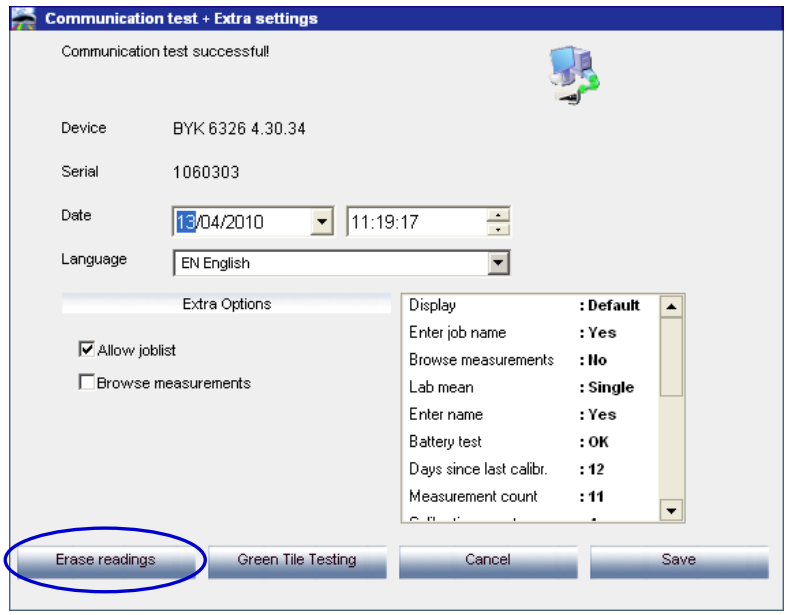
After successful communication test, you may change the language on the display of the spectrophotometer device by selecting the required language from the list

HINT: This is only possible with Byk devices.




### 2.3.5.2.4 Deletion of Readings.

(Genius 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.



#### 2.3.5.2.5 Green Tile Test.

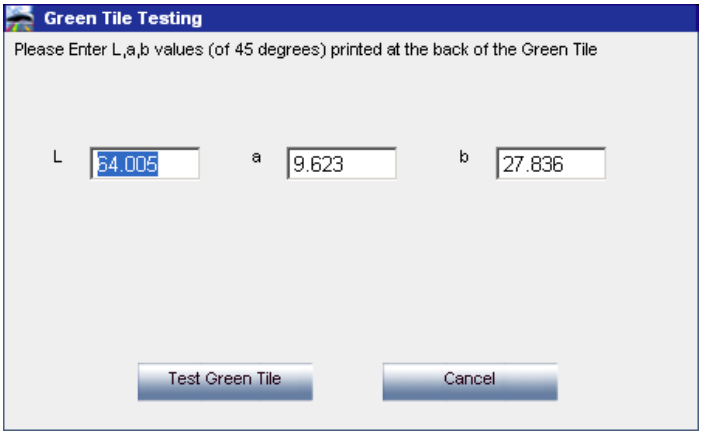
The Green Tile can be used to identify whether a Genius device has drifted since production or last certification. This guide explains how you can find out if your Genius device needs maintenance.

**Q** When should you test your Genius device?
**A** We recommend you check it every 6 months or when you experience problems with the device.

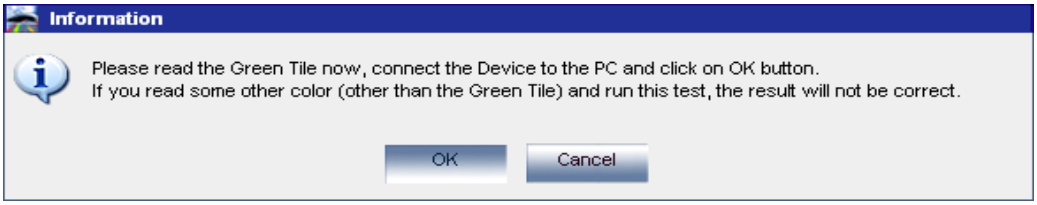
Important note:
Even though we made sure that the colour we used for the Green Tile is very stable we recommend keeping the cover closed and the Green Tile preferably in the envelope.
To check the device, make sure that you have the correct Green Tile for your Genius at hand (simply compare the serial 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).

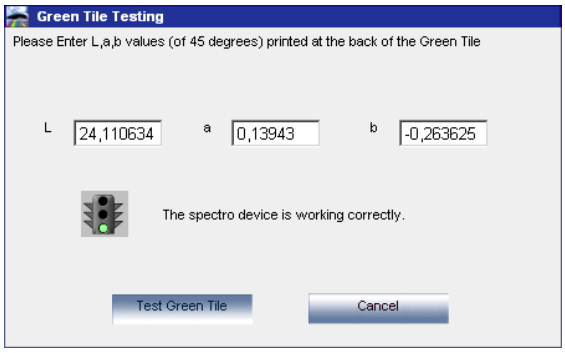


After pressing "Test Green Tile", the following screen appears:

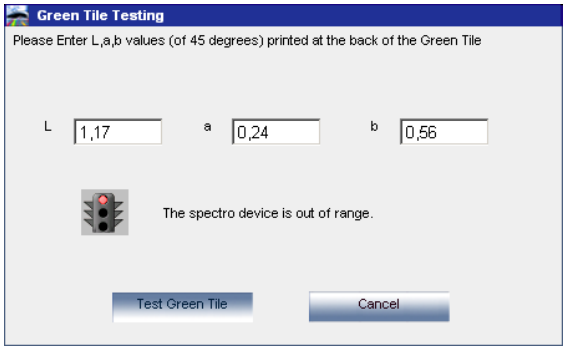



- Detach the cable from Genius and calibrate Genius.
- Take a reading of the Green Tile (make sure that you finalise this reading (back in the main menu of the device)).
- Re-attach the cable.
- Press "OK". The Green Tile measurement will be read by the software and compared to the initial values.

The possible results are:
Green: The Genius device is working correctly



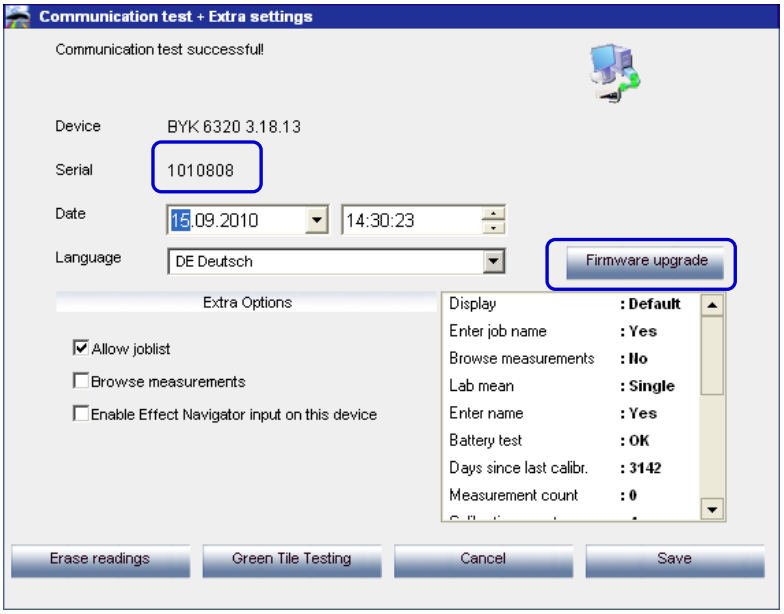

Red: The Genius device is out of range
Please send the device back for service.



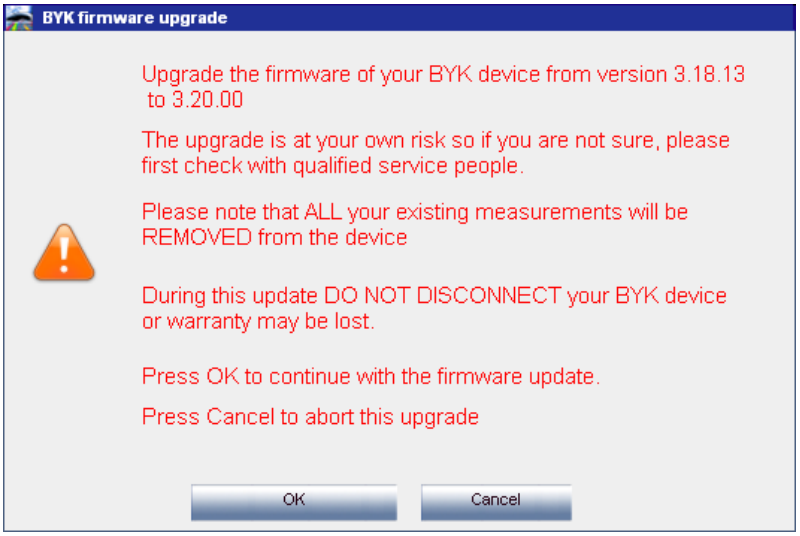
#### 2.3.5.2.6 Prompting for firmware update.

This function needs to be activated via script, as it is still in test.

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.

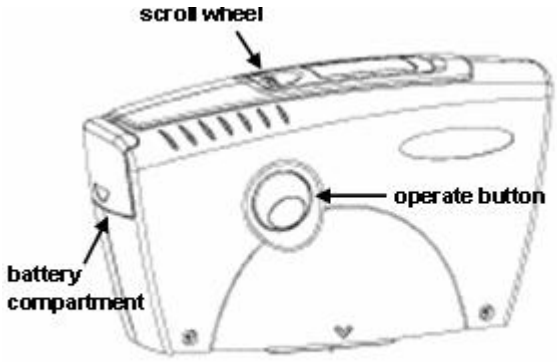


You can quit without updating (press “Cancel”) and first save your measurements if required (s. a. Genius: local store, p. 115).
If you don’t want to keep your measurements or have already stored them, press “OK”. The firmware update program starts. You will see the progress on the screen, at the end 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.

### 2.3.5.3 Byk-device.

#### 2.3.5.3.1 Accessories Byk-device.

Check if you have got all pieces necessary to operate the spectrophotometer.
a) Genius-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 -).

#### 2.3.5.3.2 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 Genius-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).

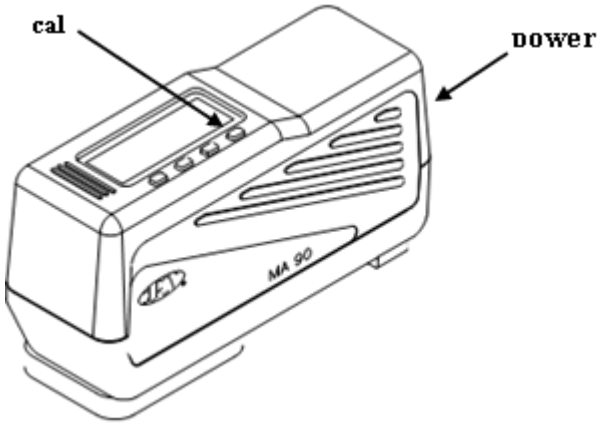
---

* 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 driver is on the color tool – CD, follow the instructions.
The driver chooses the COM-port automatically. To find out which COM-port is 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.

### 2.3.5.4 x-rite-device.

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

a) Genius - 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.

#### 2.3.5.4.2 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.

### 2.3.5.5 Hardware Requirements for search based on Effect Navigator.

### 2.3.5.6 Genius - device.

#### 2.3.5.6.1 X-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 Genius pre-selection screen.

#### 2.3.5.6.2 Byk

- BYK Genius serial Firmware 3.20.16
- BYK II Genius USB Firmware 4.28.33

Working with the Effect Navigator (on the device itself, see Enable Effect Navigator input on this device, p. 27) is not possible with earlier firmware versions.
Please make sure that your spectrophotometer is updated with the latest firmware version.

### 2.3.5.7 Effect Navigator fandeck.

The Effect Navigator 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).

### 2.3.6 Users.

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

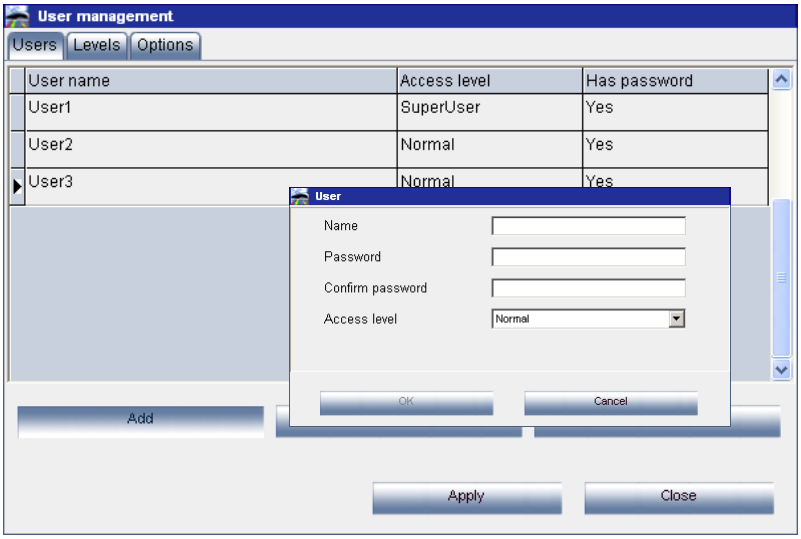
The tool allows you to:
- Define different access levels in the software to different users.
- Register who does the weighing jobs (can then be viewed in the reports).

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.

#### 2.3.6.2 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:

### 2.3.6.3 Access authorisation and control.

Three user levels are defined:

- Normal
  Look up a formula and weigh the formula.

- Advanced
  Certain extra possibilities (compared to the normal user)

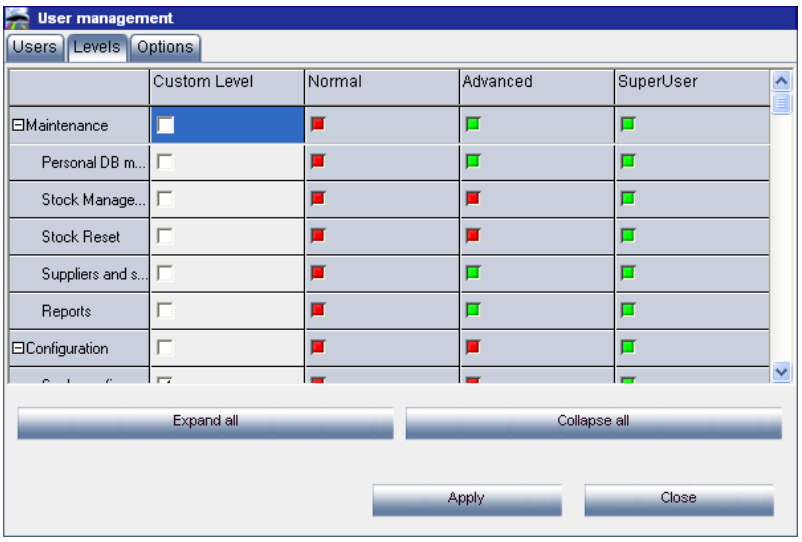
- SuperUser
  Access to the full system.

One user level that can be adjusted:

- Custom
  Access rights can be defined by the customer. All software functions are classified under 6 main levels:

- Maintenance
- Configuration
- „Send to scale" / Job configuration
- Price management
- User configuration
- Job maintenance

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.

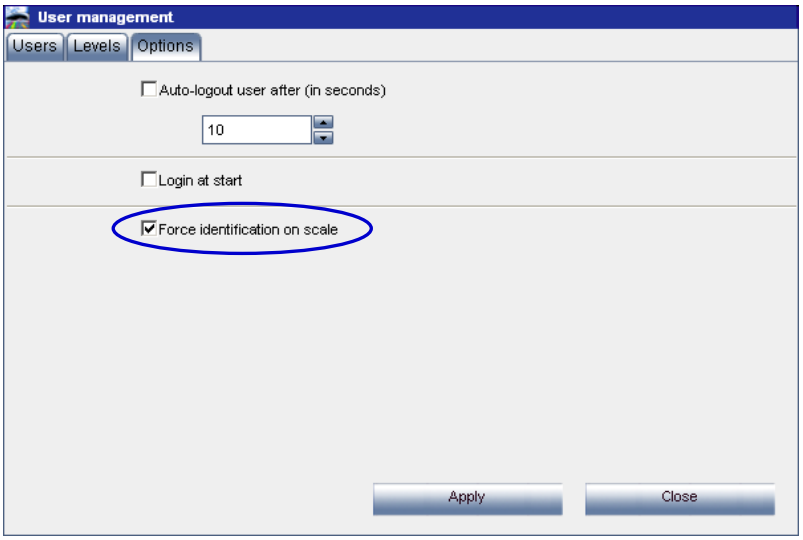


### 2.3.6.4 Identification of users.

I f 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.

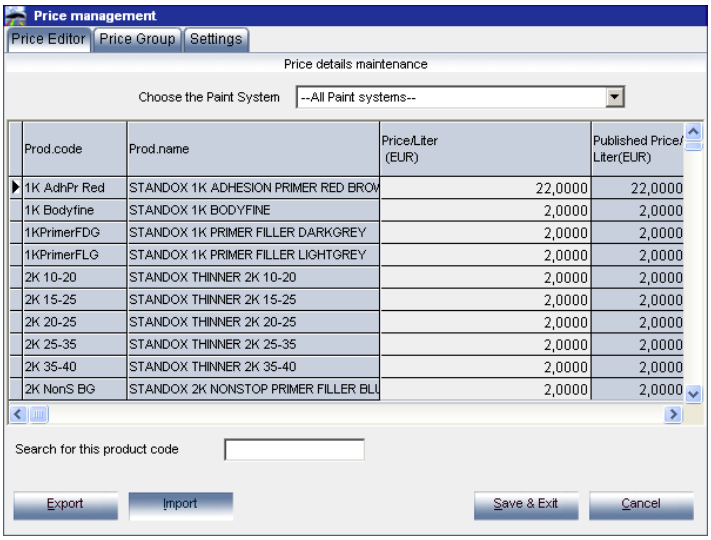


### 2.3.7 Price Management.

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.

#### 2.3.7.1 Price Editor.

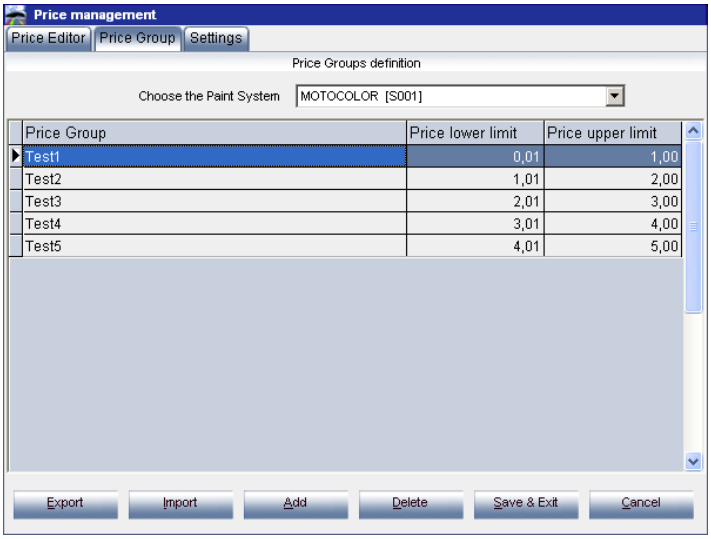
On the first tab ("Price Editor") you enter the current price/litre. Enhance your search for single products by typing in the code in the field underneath the pricelist ("Search for this product").




Enhance your search for paint systems by choosing from the list above the price list ("Choose the Paint System").

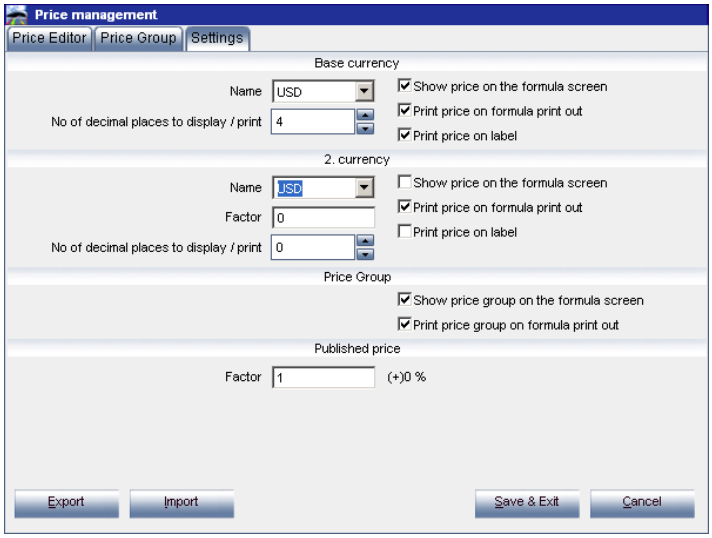
### 2.3.7.2 Price Group.

Select a paint system from the list.
Define price groups by naming them and inserting the price limit for each step. If the price entries are complete (1. tab) the program calculates the price of a formula, but displays - depending on the settings, (s. Settings, unterhalb) – the price and the price group or the price or price group only. The result appears as info on the formulae screen as well as in several reports.



### 2.3.7.3 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 "2nd currency" as sales price.
If you make entries to the "converted/2nd currency"- part a column with the converted/2nd currency will be added on the 1st tab.




If you insert a number < > 1 into the bottom field ("Published price factor"), your chosen currency (or currencies) will also be shown multiplied with that factor.

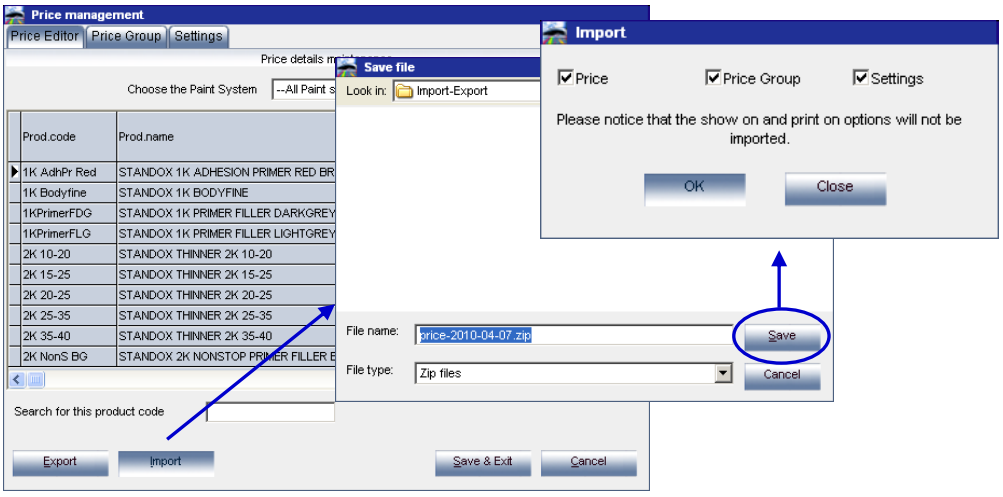
### 2.3.7.4 Export/Import.

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.

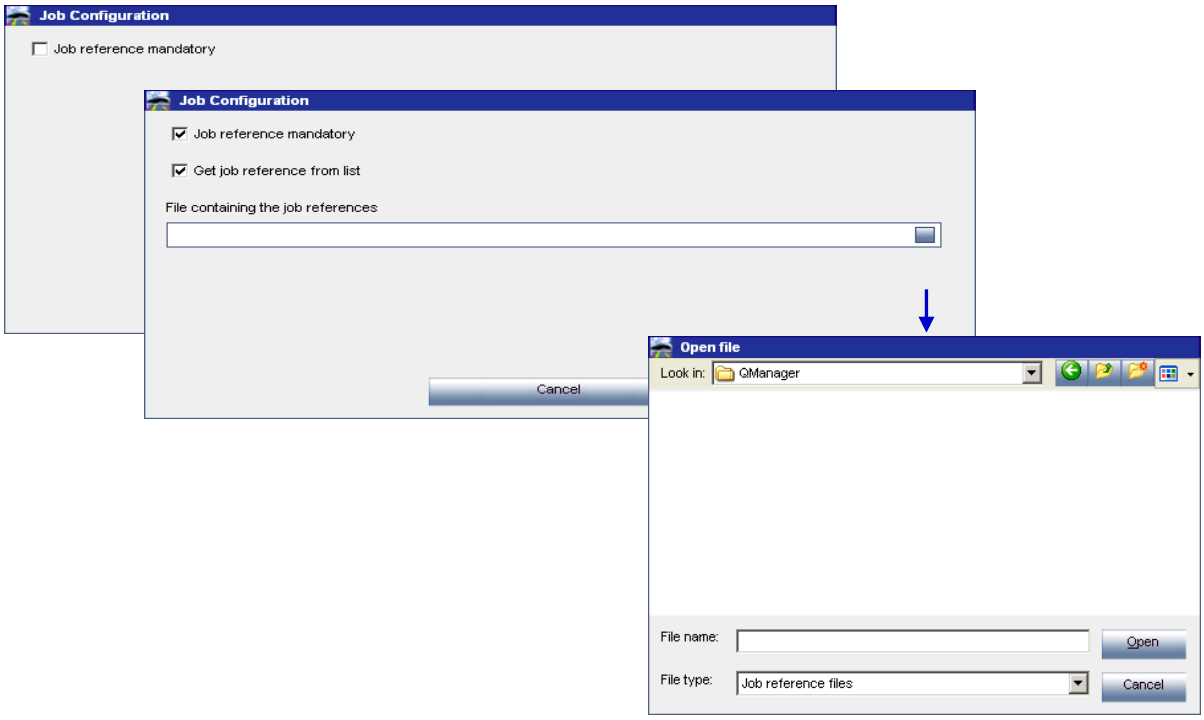
There will be a separate file for each set of data (from the seperate tabs) which can be edited outside Standowin.

- 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).

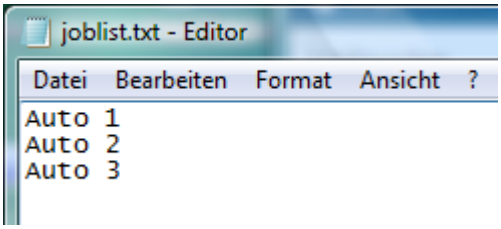


### 2.3.8 Send to scale / Job Configuration.

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:

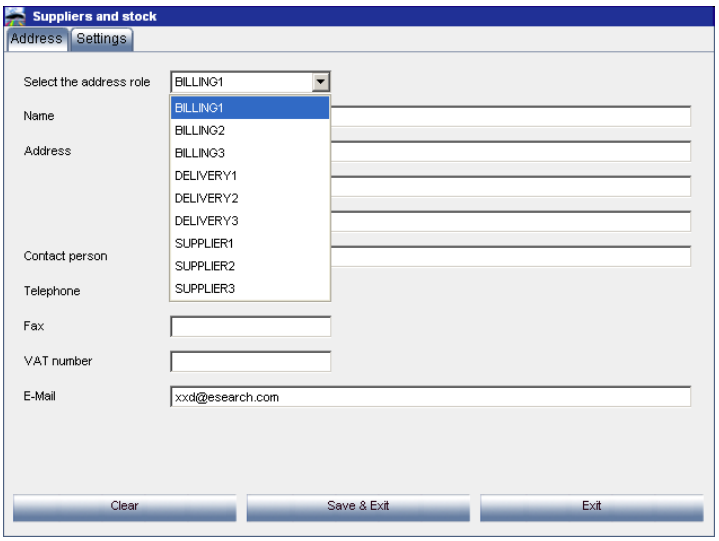


### 2.3.9 Suppliers and stock options.

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

#### 2.3.9.1 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).

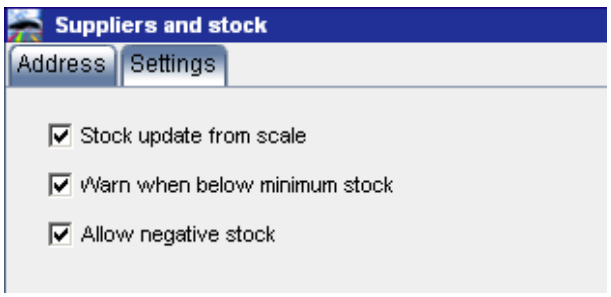



#### 2.3.9.2 Settings.

##### 2.3.9.2.1 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. 111).
- 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)



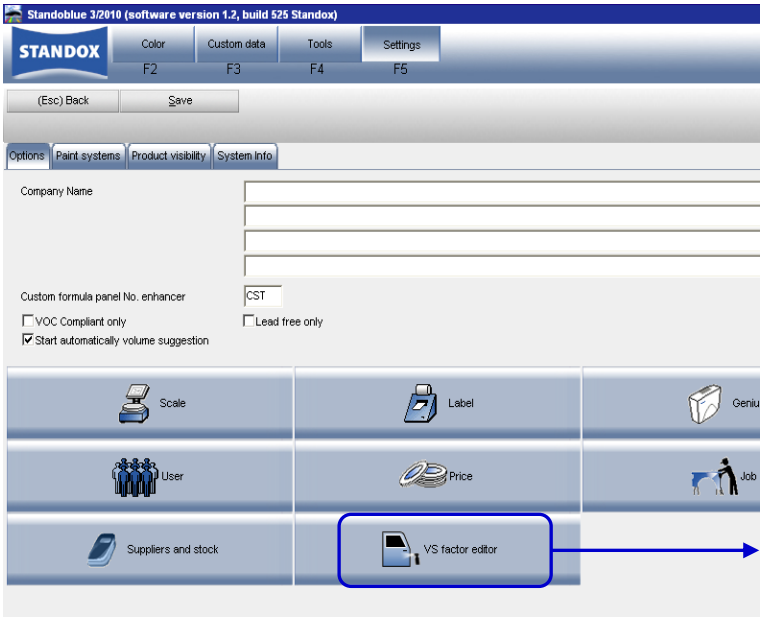
#### 2.3.9.2.2 Warn when below minimum stock.

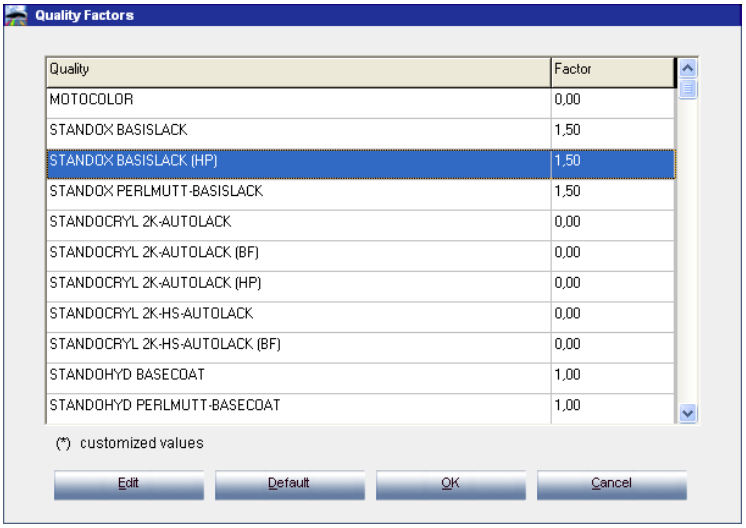
If this option is active, a hint will pop up when sending a job to scale to inform which materials will go below minimum stock by weighing this job.
Minimum stock needs to be maintained.

#### 2.3.9.2.3 Allow negative stock.

Activating this option makes the stock module register negative stock.

### 2.3.10 VS (volume suggestion) factor editor.

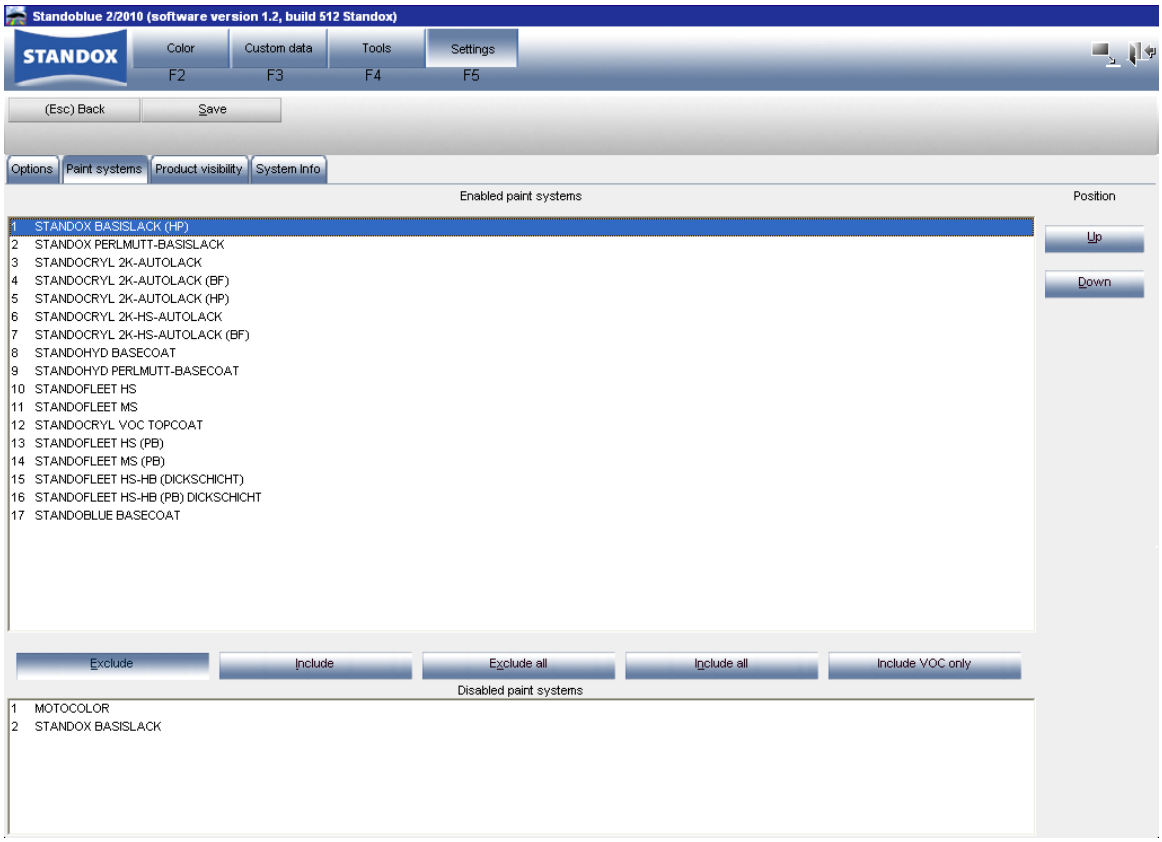



For each quality you can edit the factor that has influence on the suggested amount.
With this factor you take into account if generally more or less material is used than suggested by default.
"(*)" indicates that this factor is customized (deviates from the default).

## 2.4 Paint Systems.

Formulas will be looked up for paint systems activated here.
To deactivate a paint system mark the line and press the button “Exclude”. Excluded paint systems are displayed in the field at the bottom of the page.
It may be quicker to “Exclude all“ and then “include” the required paint systems back again.
By using the “Up” – and “Down” – buttons you define the order in which the paint systems are shown.



## 2.5 Product Visibility.

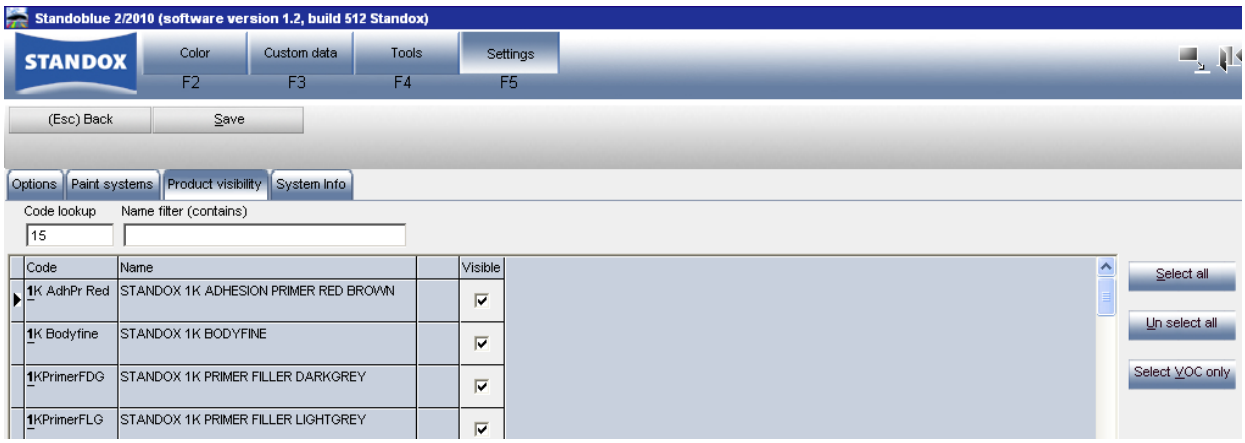
By default, all products from the product range are activated.
To deactivate remove the hook from the check box.
Single products can be searched by code in the field on top left of the list or by name in the second field. Type in any part of the product name, the list will show immediately all names 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:

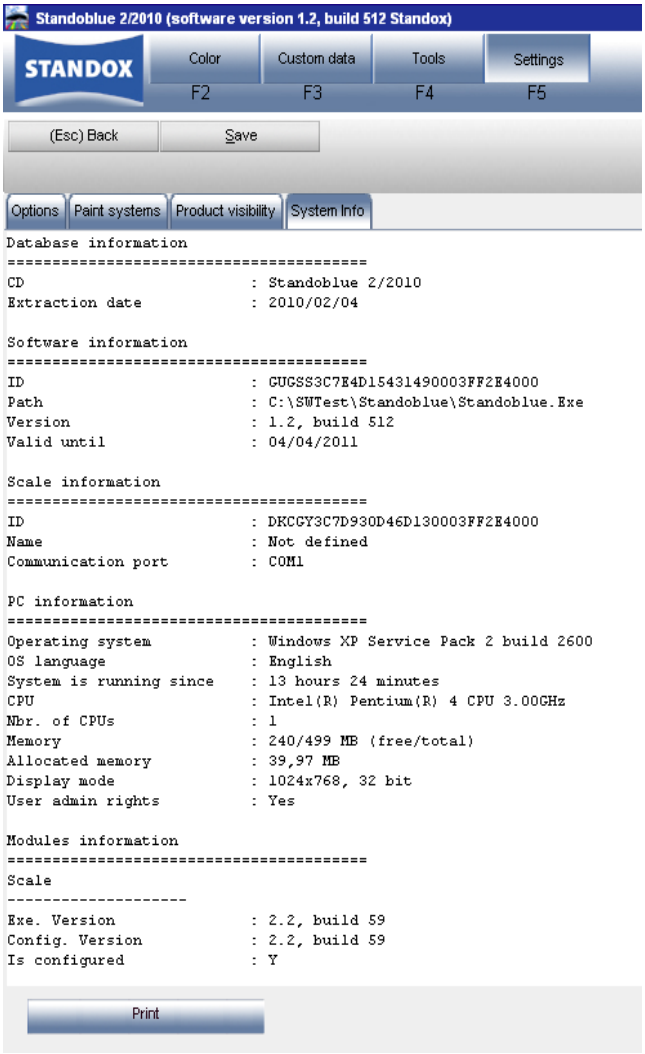
- Custom data
- Price management
- Search
- Ancillary products

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



## 2.6 System Info.

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

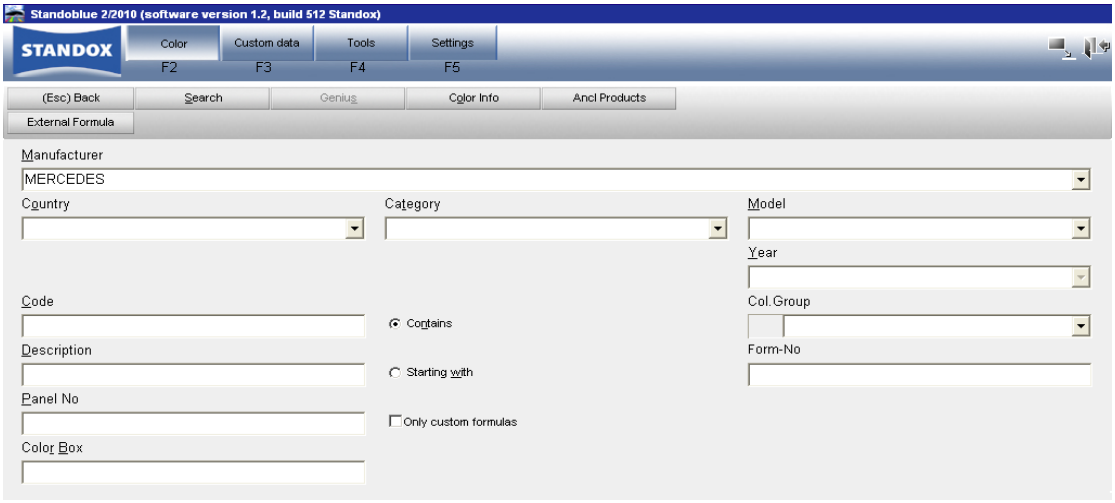


# 3 Colors.

Startpage -> Colors

## 3.1 Formula retrieval by criteria.

You can search for formulae by one or several criteria.




### 3.1.1 by Manufacturer.

Choose a name from the list or type in the first letters, the program will jump to the most suitable entry.

### 3.1.2 by Country, Category, Model.

These three criteria will only be available when a carmaker was selected beforehand, but an entry is not mandatory. The procedure is the same as with by Manufacturer.

### 3.1.3 by Code, Description, Color, Panel No.

You can search for one or several of these criteria independently of the carmaker.

#### 3.1.3.1 Code, Color.

As search criteria type in the code and/or the colorname, or parts of the code and/or the colorname.
Limit your search further by changing to “Starts with” instead of the default “Contains”.

#### 3.1.3.2 Panel No.

The program searches for formulae that match the entry exactly.

### 3.1.4 by Color Box.

The program searches for formulae that match the entry exactly. The number to be entered is the chip reference printed on the back of the chip.
To find a formula via bar code, read the bar code into this field.
This is also valid for bar codes of service and customer formulas.

### 3.1.5 by Year.

Limit your search to the model year.

### 3.1.6 by Color Group.

Limit your search to the color group.

### 3.1.7 by Formula Number.

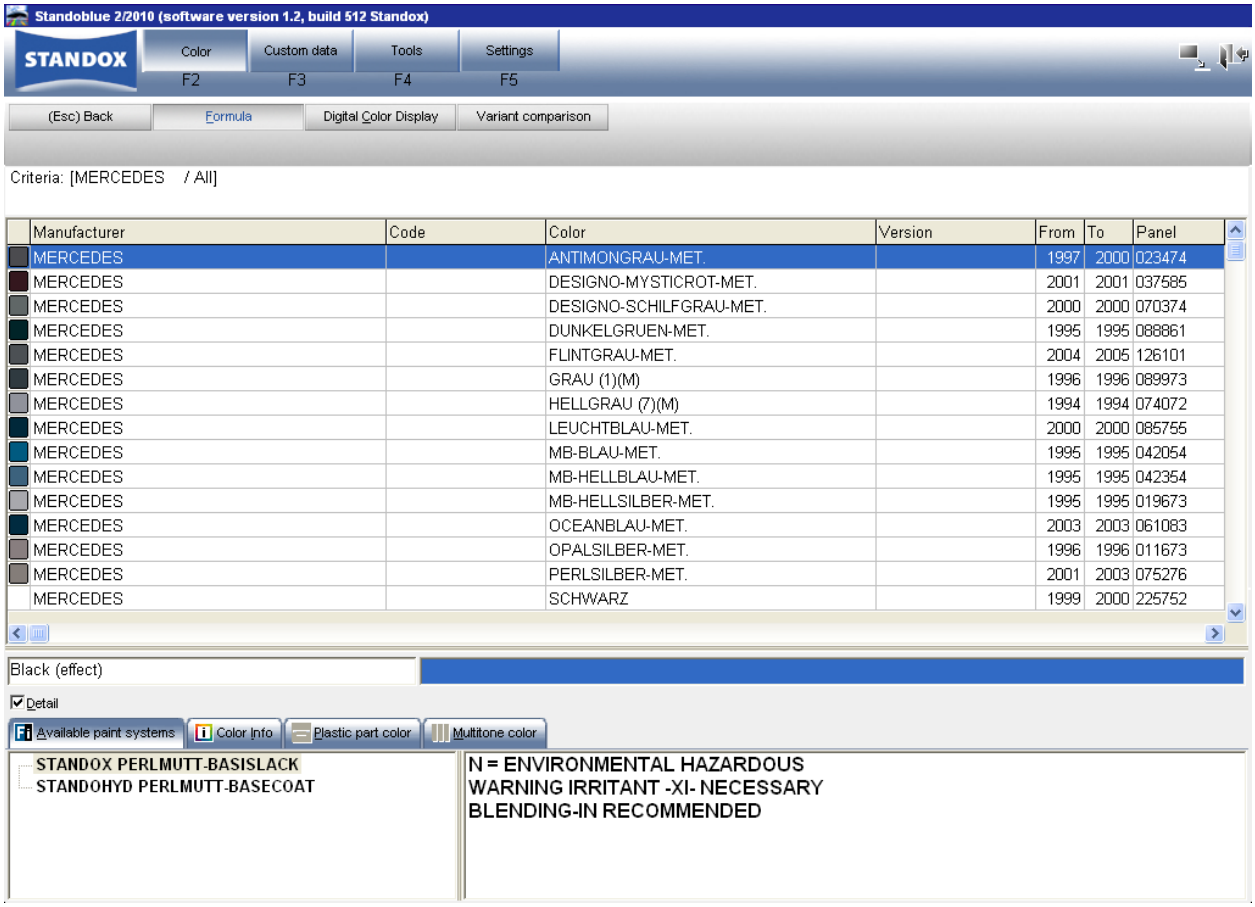
This number is paint system related and is given to any wet developed formula.
The program searches for formulae that match the entry exactly. If something is entered in this field, the entries in “Code” and “Color/Name” will vanish.

### 3.1.8 only custom formulae.

If the checkbox is activated the program only searches custom formulae, i. e. those that you worked out and stored yourself.

## 3.2 Formula retrieval.

After having inserted all required criteria press “Search” or enter. All formulae will be displayed which fulfil all requirements simultaneously.
The displayed table is broader than your screen, but you can adjust the columns to fit your screen (position your cursor on the dividing line between two columns so that the double arrow appears, draw with your left mouse key to the required width). To change the order of the columns mark the column and draw it to the desired position with pressed left mouse key.
This formatting keeps.




At the bottom of the screen further information on the formula marked in the part above is given if the checkbox “Detail” is activated (default).

### 3.2.1 Available Paint Systems.

Formulae are available in these paint systems. On the right side more information on the paint systems are given.

### 3.2.2 Color Info.

Hint on where this color is used (e. g. exterior).

### 3.2.3 Plastic Part Color.

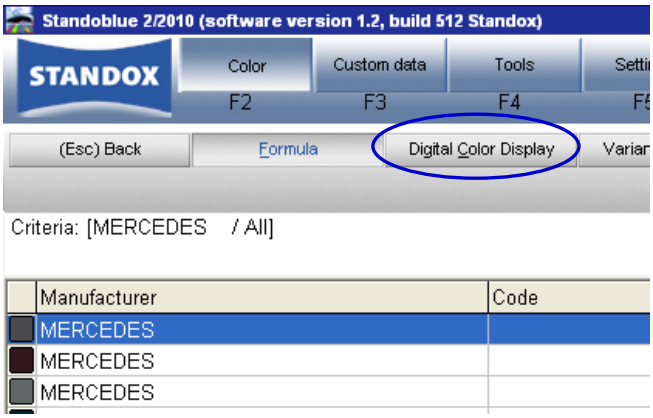
Usually these colours are used for Plastic Parts (s. a. Color Info, oben).
Hint: this information is not complete.

### 3.2.4 Multitone Color.

If the colour is part of a multitone painting you will find this information here. This can be useful if e. g. the colour of the bumper is known but you need to know the colour of the carbody.

### 3.2.5 Digital Color Display.

The Button "Digital Color Display" becomes visible when at least a manufacturer filled in.




The chips will be displayed in this way:

Solid

Effect

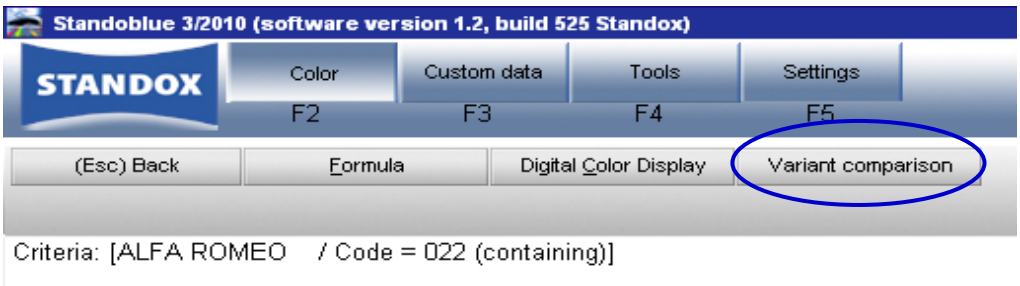
Multitone Color

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)

## 3.3 Variant comparison.

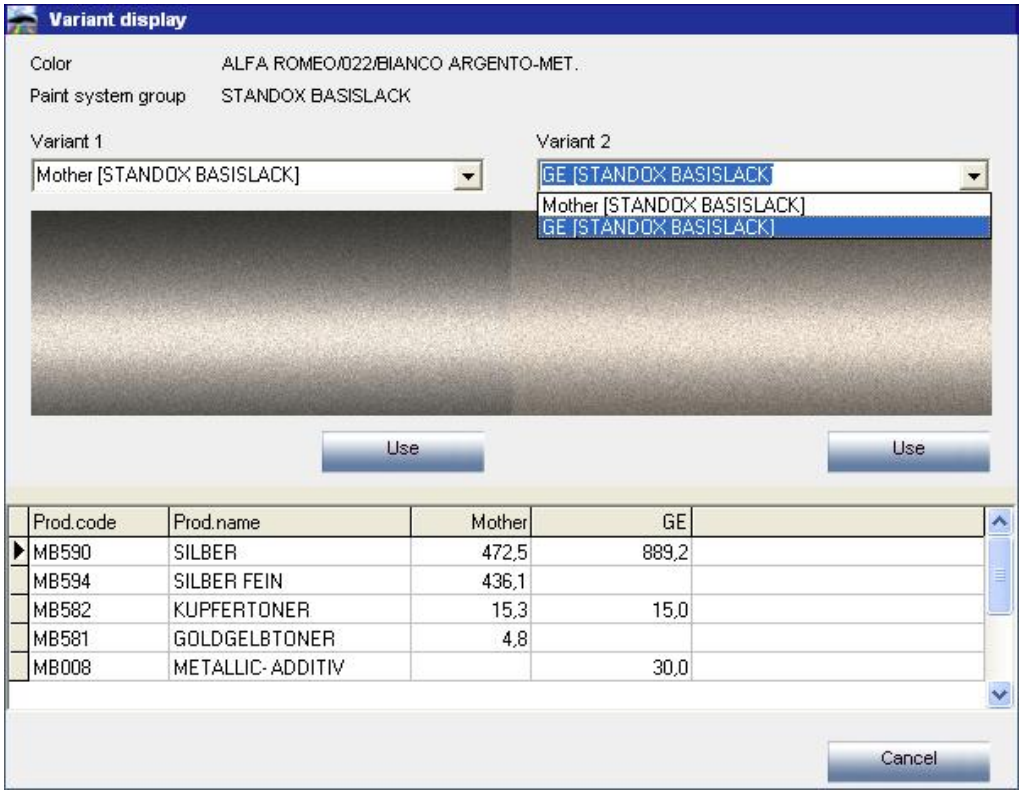
The button is visible on the search result screen:




Select the required quality from the list of active qualities.

You will see the formulas of the variants selected.

Within one colour you can compare the variants by help of chips calculated based on Lab-values and coarseness for Standoblue - 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 variant 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.

## 3.4 Formula Retrieval with Genius.

If Genius was installed and configured (s. Installation of the colour retrieval program, p. 10), the button “Genius” 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.

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

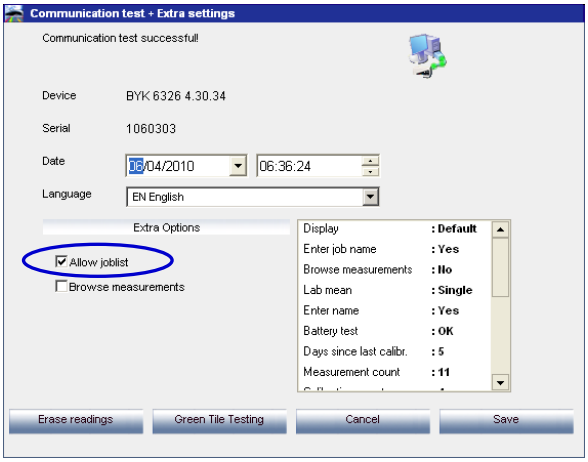
- The surface to be measured has to be clean as dirt and scratches interfere with the accuracy of the measurement. Clean the whole surface with degreaser and polish the part you want to measure.
- The surface to be measured needs to be even as otherwise the measurement may be affected by leaking in light. 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.

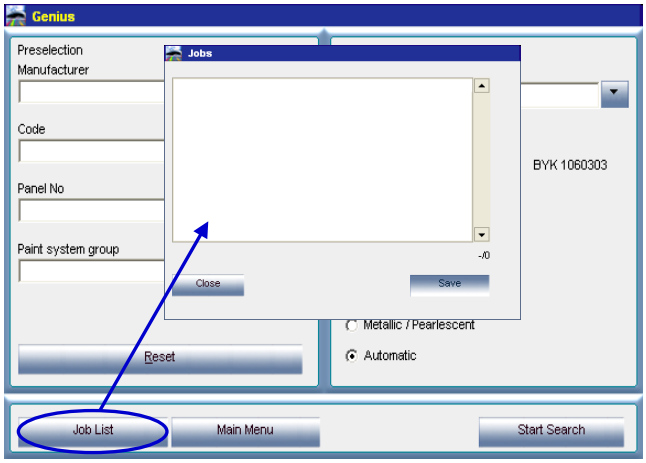
- Disconnect the spectrophotometer from the PC, take as many measurements as you like.

- 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. 57) the names of the joblist are displayed.

### 3.4.2 Joblist.

If you know the measurements to be done beforehand it is possible to create a joblist. Via colors -> Genius you go to the screen for criteria search. If you selected the option “activate joblist” (Genius -> 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).

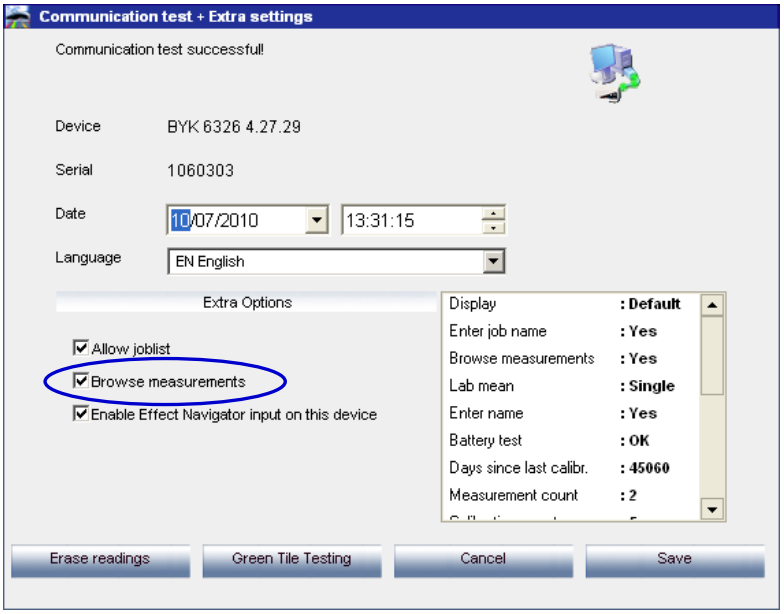


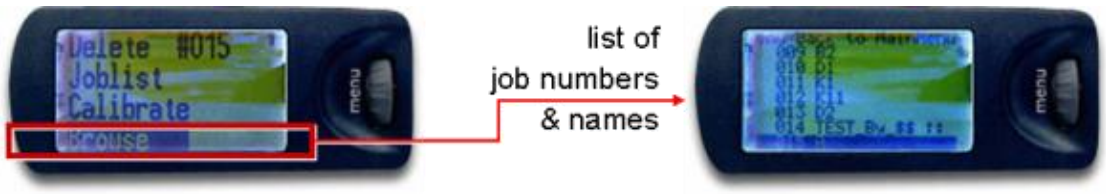



Press the “joblist” – button, a screen opens. Enter the names of the jobs you plan to do (one name per line, next line with “enter”) and press “save”. In the display of the instrument another menu item appears: “joblist”. Highlight it by scrolling the wheel, press the “operate” – button: the names that 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.

### 3.4.3 Browse measurements.

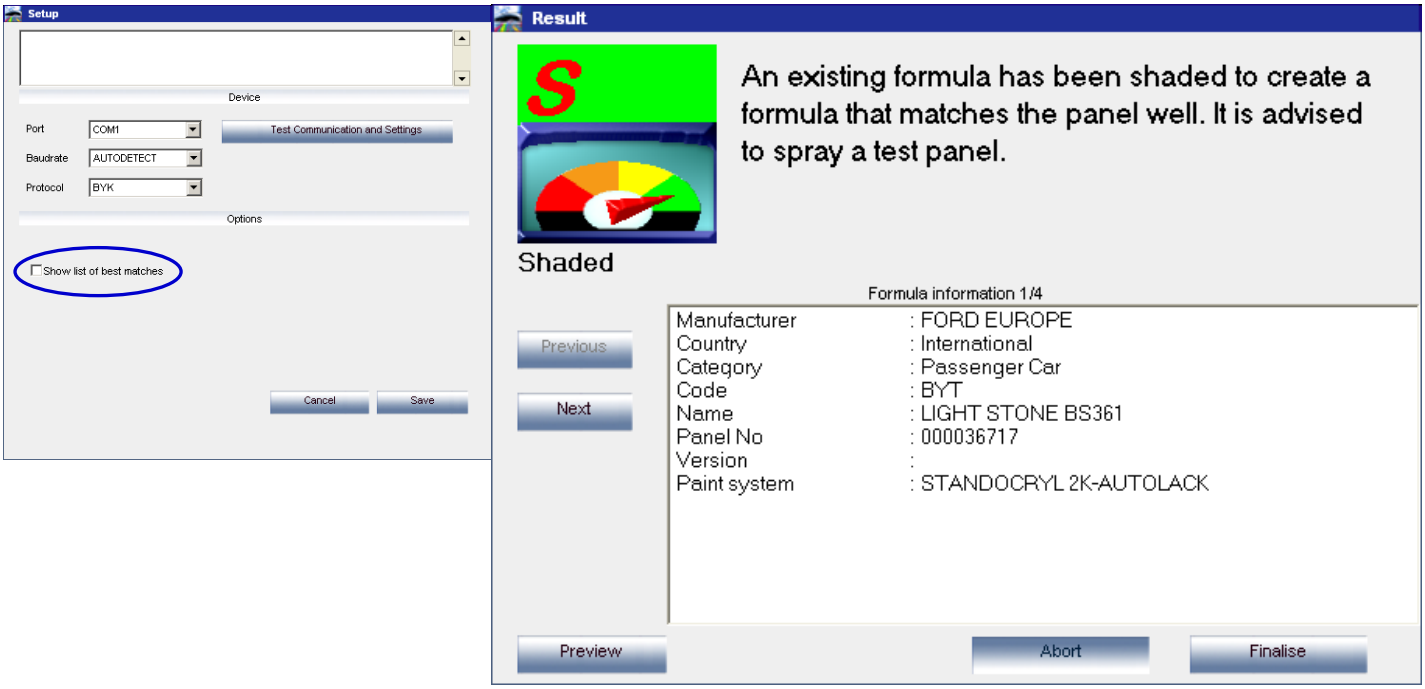
If under Genius -> settings the button „browse measurements“ is activated the display shows an extra menu item „Search“. By highlighting this item and pressing the „operate“ – button afterwards all stored measurements are shown. An asterisk in front of the entry means that this measurement has been transferred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



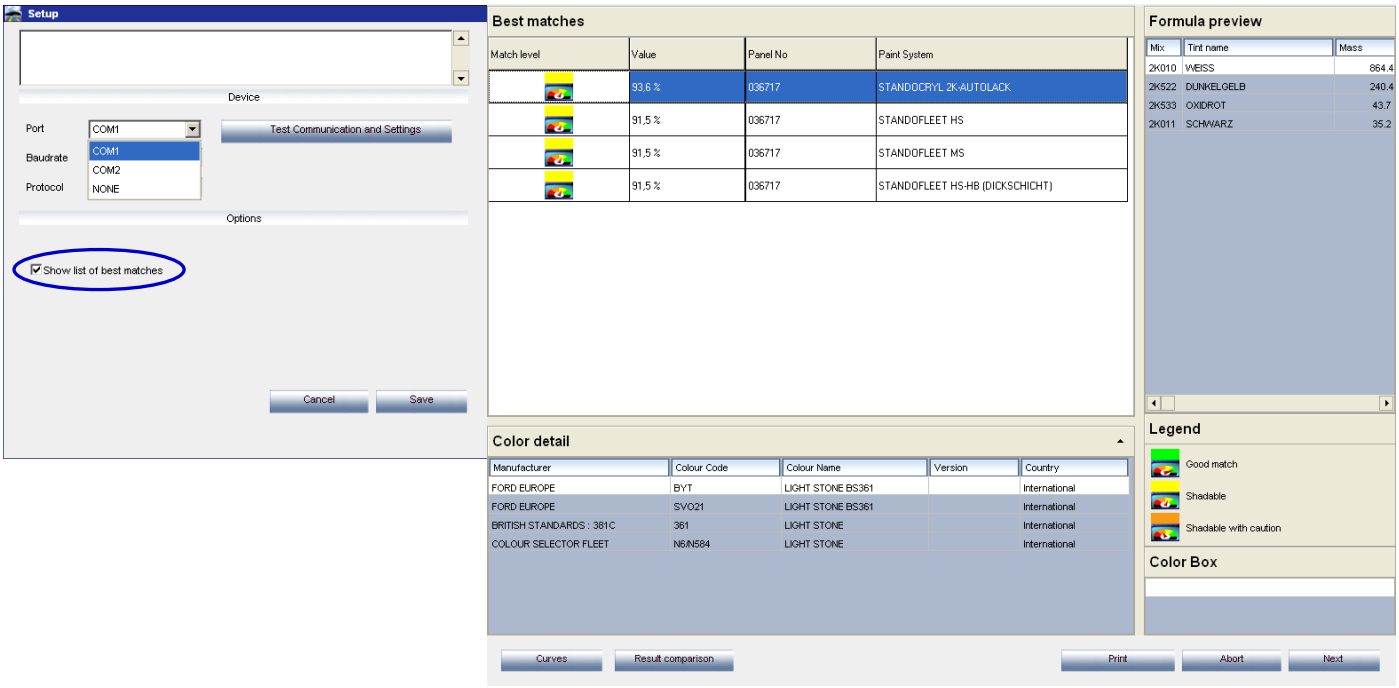
### 3.4.4 Search for measured colour.

Choose search criteria from the dropdown lists for manufacturer, code, panel no, paint system group. With „reset" you delete all criteria.
The last measurement is always displayed, by clicking the arrow beside it all measurements that were transferred from the spectrophotometer are listed.
For searching you can choose the colour type. "Automatic" is default, if you leave this choice the program decides if them measured colour is a solid or an effect colour. If the surface of the measured sample is scratched, but you know that it is a solid colour you should force the program to search within solid colors only. In case of very fine metallics you should choose "metallic".




For metallic it is recommended to insert the manufacturer as search criteria to make sure the same effect pigment is used for the original as well as in the repair formula. If you search without defining the carmaker the program might find a formula that fits the measured values well but contains a different effect pigment. The optical impression is usually better if the OEM and the repair paint contain the same effect pigment.

Click "Start search", the program compares measured values with those from the database and displays the 10 most suitable ones if you activated the option "Show list of best matches" in the spectro-settings (s. a. Spectrophotometer – communication and settings, p. 24).




Very well matching ones are marked green, correctable ones yellow, possibly correctable ones orange.
In the 2nd column of the upper table a value is displayed that also gives a hint on how well the found formula fits the measured one. The higher the value the better the found formula fits.
For the highlighted formula of the upper table more details are given in the bottom one.
The field on top right shows the composition of the formula.
For the retrieval from the database the L, a, b – values are taken into account, i. e. the search result does not say anything about metamerism.
Double click a line to achieve more information on the selected colour, by clicking the button "Preview" you will get to the print preview of the formula for 1l, by clicking "Formula" you may change the requested amount and do changes to the formula composition, s. Create New Formula, p. 77, ff.

### 3.4.5 Practically.

#### 3.4.5.1 Prepare your panel for measurement.

Your panel should be clean and free from scratches before you measure it.
As a guideline, you can check the "Operating Tips for the Genius".

#### 3.4.5.2 Measure your panel.

During measurement, the Lightness Group is detected automatically by the device. The value is indicated with the letter "L" followed by a number between 01 and 05 if this option is active (s. Search based on Effect Navigator, p. 26) Example L=05.

**Important:** this step is not considered if you are working with an X-Rite device.

#### 3.4.5.3 Assign an effect value to the panel by help of the Effect Navigator.

The determination of the flake size / effect level can easiest be done by using the Effect Navigator.
As the impression of effect is also dependent on the lightness of the colour, it is helpful to start comparing the chips from the Lightness Group that the spectro displays.

Once you have determined the effect value, mark it on the spectro display by scrolling the wheel on top of the device.

**Tip:** if you do not select the effect value, this can still be done in the Genius preselection screen.

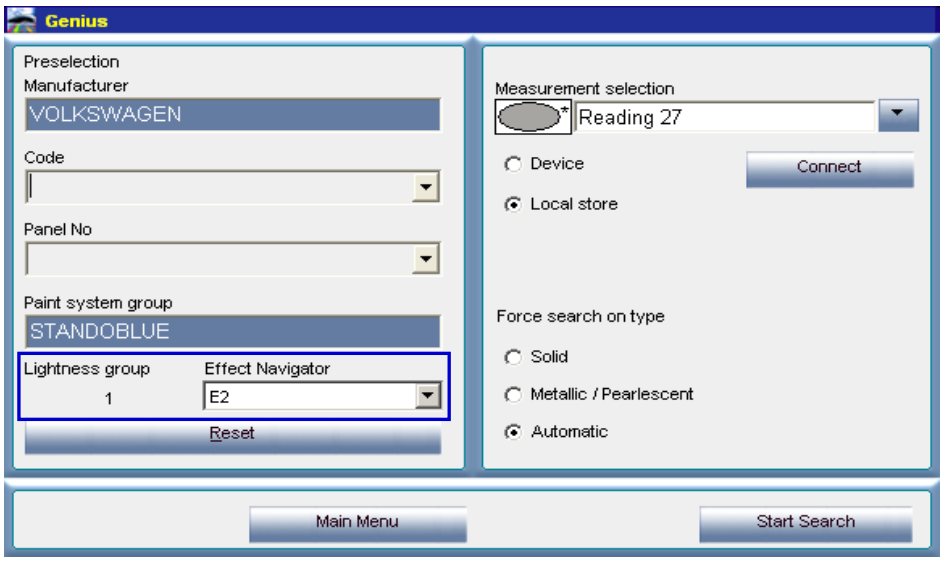
In a last step, you can give a name to your measurement (optional).

### 3.4.5.4 Connect the instrument to the Standowin software.

If required, make a connection test first.

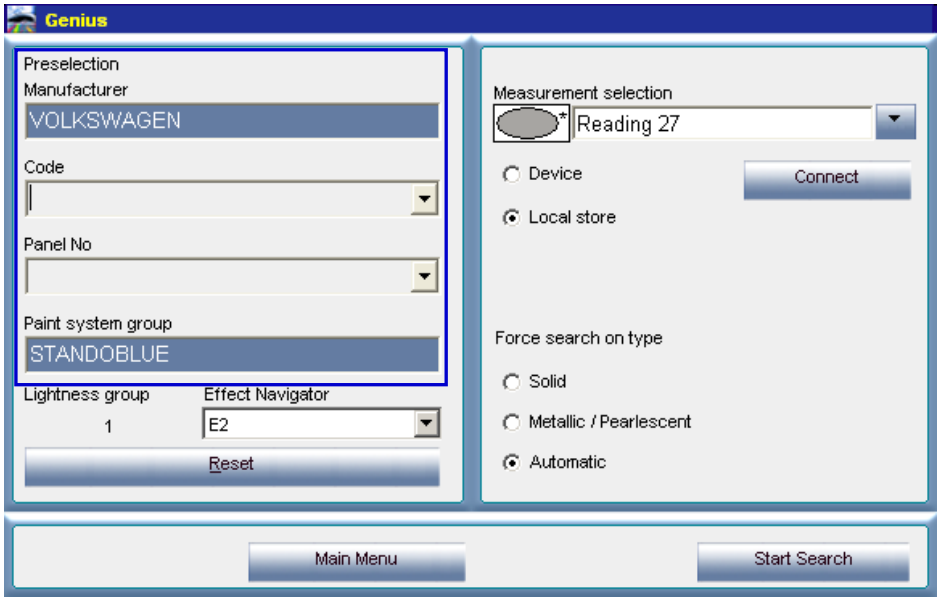
Select the measurement for which you want to see the results.

The Lightness Group and Effect Navigator value should be filled in (if you have entered them before in the device).
If required, the Effect Navigator value can still be changed.




### 3.4.5.5 Enter the required pre selection info for the search.

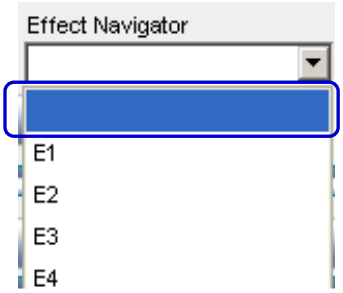
It is advised to fill in as much as info you have available for your search. This enables the software to get you the most accurate result as possible for you.



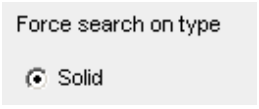

When your preselections are set, press “Start Search” to obtain your result.

### 3.4.5.6 Solid colours.

If you measure solid colours, the effect value is **not** applicable.
The Effect Navigator field must be empty.
If this is not the case, open the dropdown and select the empty line:




NOTE:
It is not sufficient to "force the search type" to "solid".



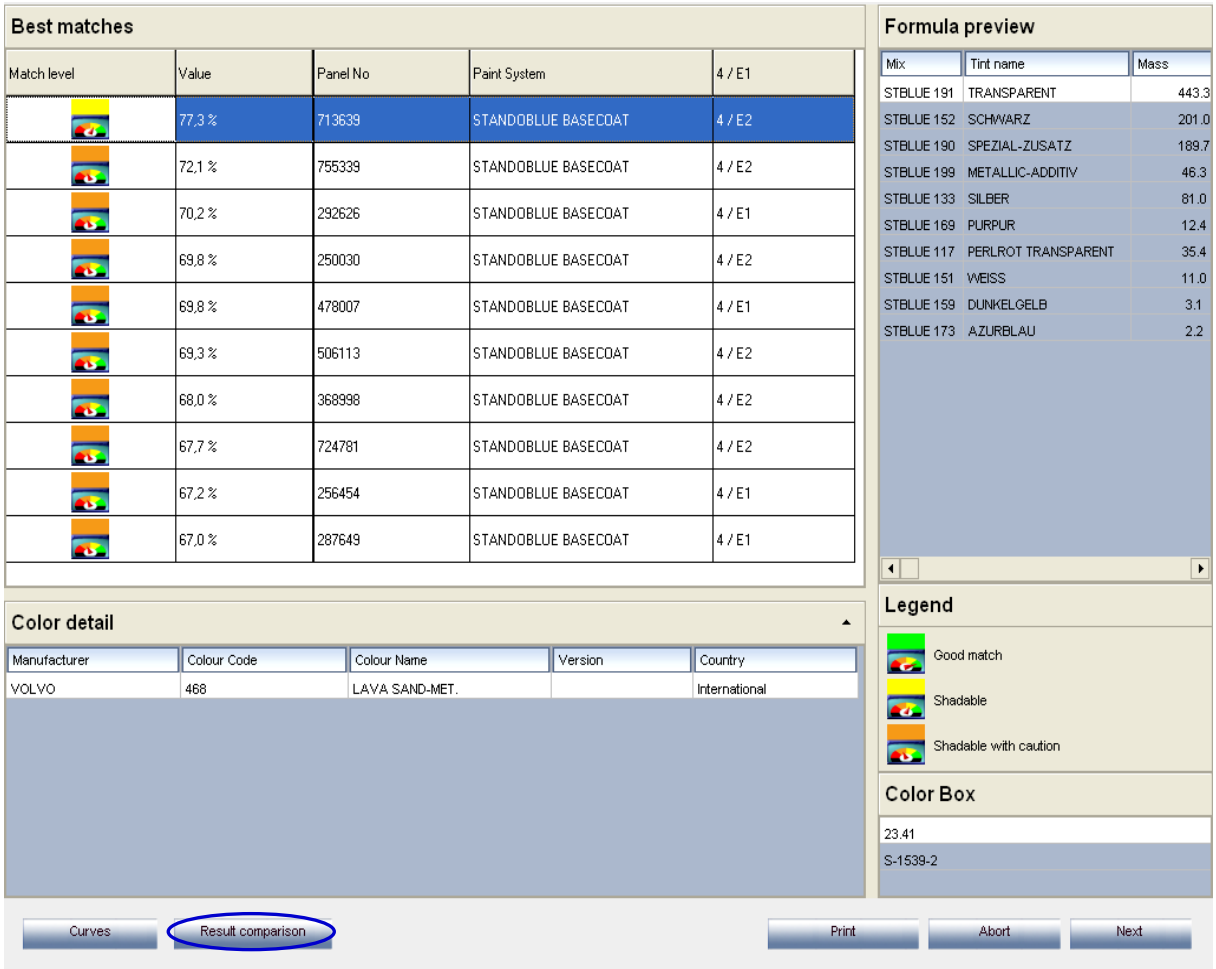
### 3.4.6 Variant comparison with Genius search / result comparison.

This function needs to be installed via script.

#### 3.4.6.1 10 Best Result

Once the script has been executed, there will be an extra button “Result Comparison” visible on the 10 Best Result screen.

To compare the results visually (as chips) on the computer screen, press “Result comparison”.



### 3.4.6.2 Select the appropriate colour from the Result Comparison (Chips display) screen.

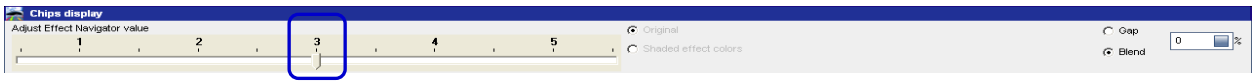
In the Result Comparison (Chips display) screen you will find the following information:

- Target = your measurement, the result you want to achieve
- From Database = the formula from the database (that was allocated)

**Important:** By default, all formulas are displayed in their original version (as they are in the database). If the software shades them and you want to see the shaded version you need to select "Shaded effect colours".

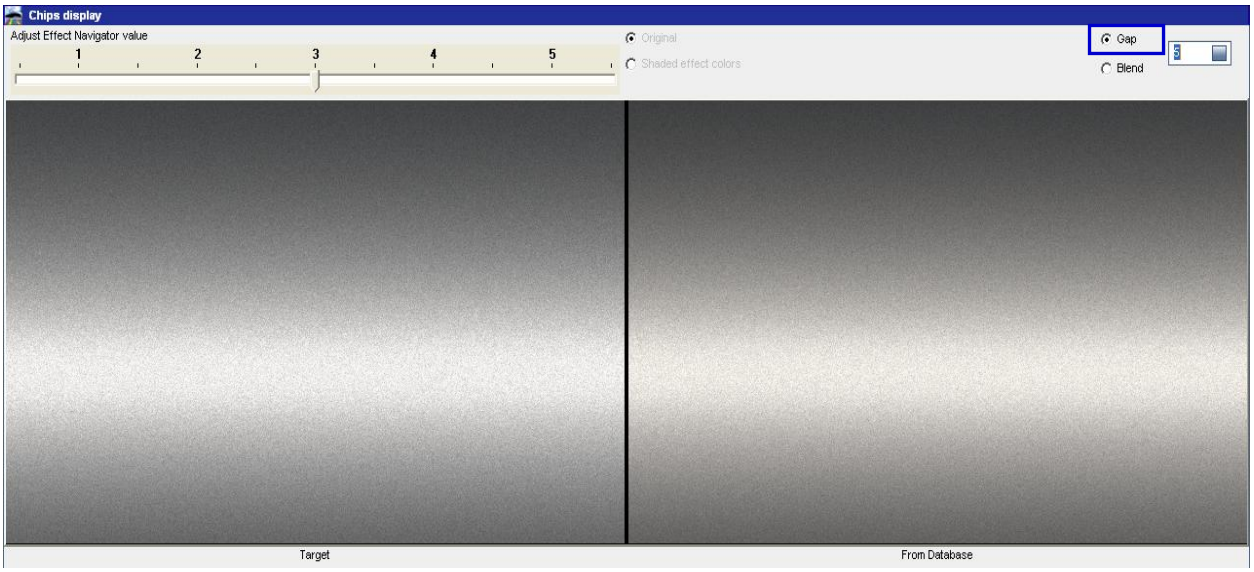
Top part

Adjust Effect Navigator value
Indicates the effect value of your selection. The value can be changed by moving the arrow.

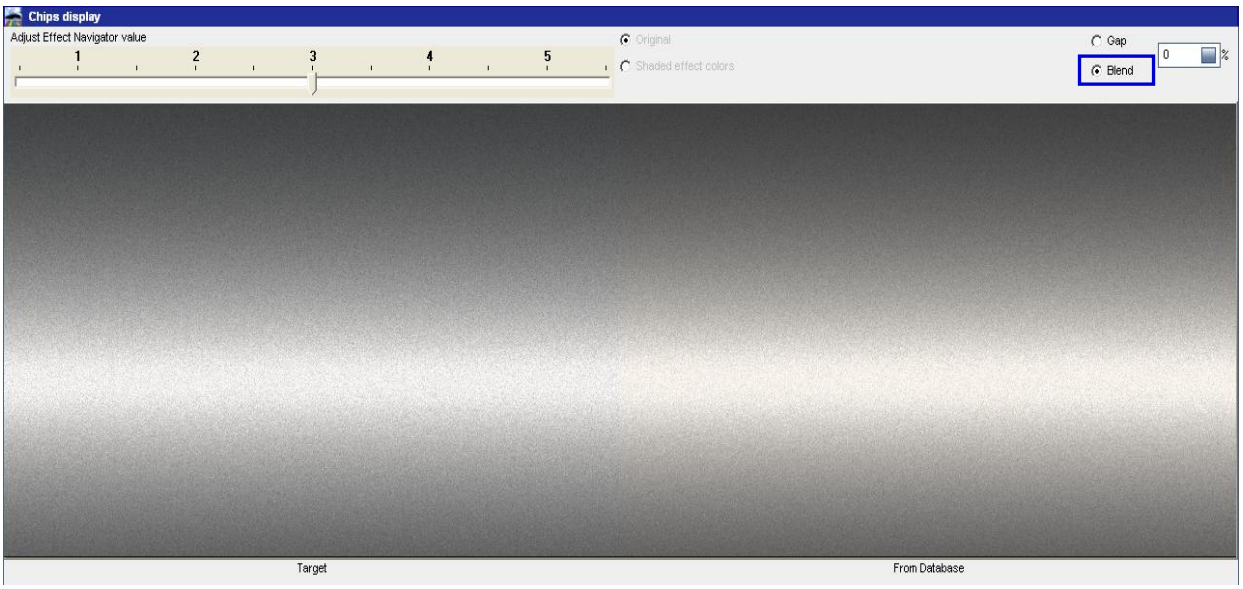



Gap or Blend
This is the display mode for your result.

Gap ➔ displays a gap between the target and the result = default display

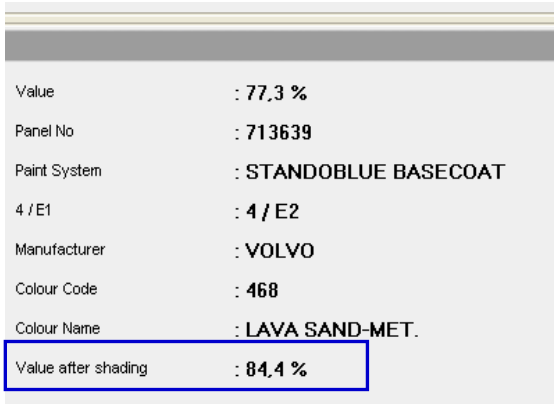


Blend ➔ allows you to blend in the Target and the Result (a % of blending can be entered).



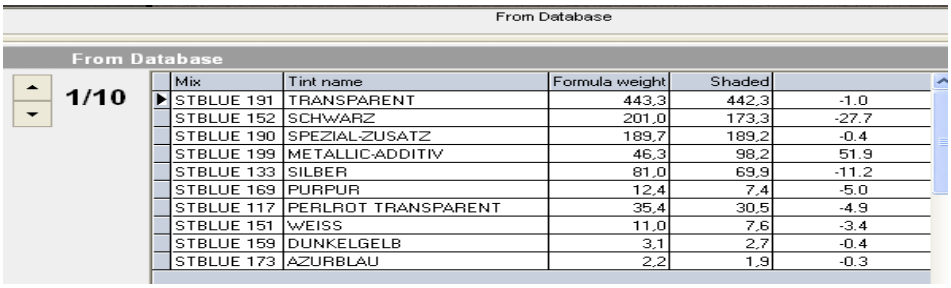

Lower part

Left side
Display of colour information for the selected result, including the match value after shading.



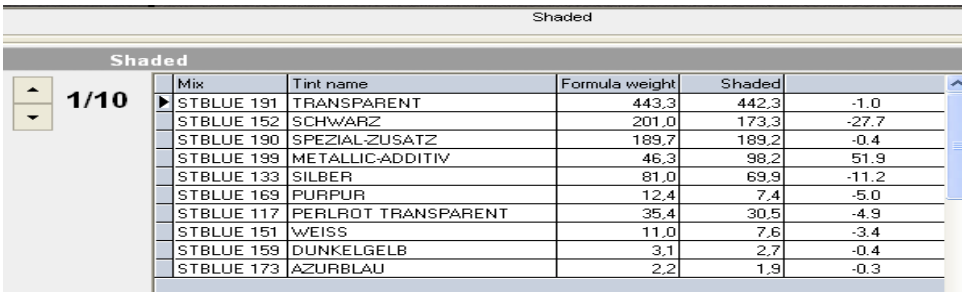

Right side
Formula of the selected result. If the formula is shaded, a value will be entered in the 'Shaded & Diff." columns.

Not Shaded

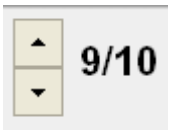



| Mix | Tint name | Formula weight | Shaded | |
|---|---|---|---|---|
| STBLUE 191 | TRANSPARENT | 443,3 | 442,3 | -1.0 |
| STBLUE 152 | SCHWARZ | 201,0 | 173,3 | -27.7 |
| STBLUE 190 | SPEZIAL-ZUSATZ | 189,7 | 189,2 | -0.4 |
| STBLUE 199 | METALLIC-ADDITIV | 46,3 | 98,2 | 51.9 |
| STBLUE 133 | SILBER | 81,0 | 69,9 | -11.2 |
| STBLUE 169 | PURPUR | 12,4 | 7,4 | -5.0 |
| STBLUE 117 | PERLROT TRANSPARENT | 35,4 | 30,5 | -4.9 |
| STBLUE 151 | WEISS | 11,0 | 7,6 | -3.4 |
| STBLUE 159 | DUNKELGELB | 3,1 | 2,7 | -0.4 |
| STBLUE 173 | AZURBLAU | 2,2 | 1,9 | -0.3 |

Shaded



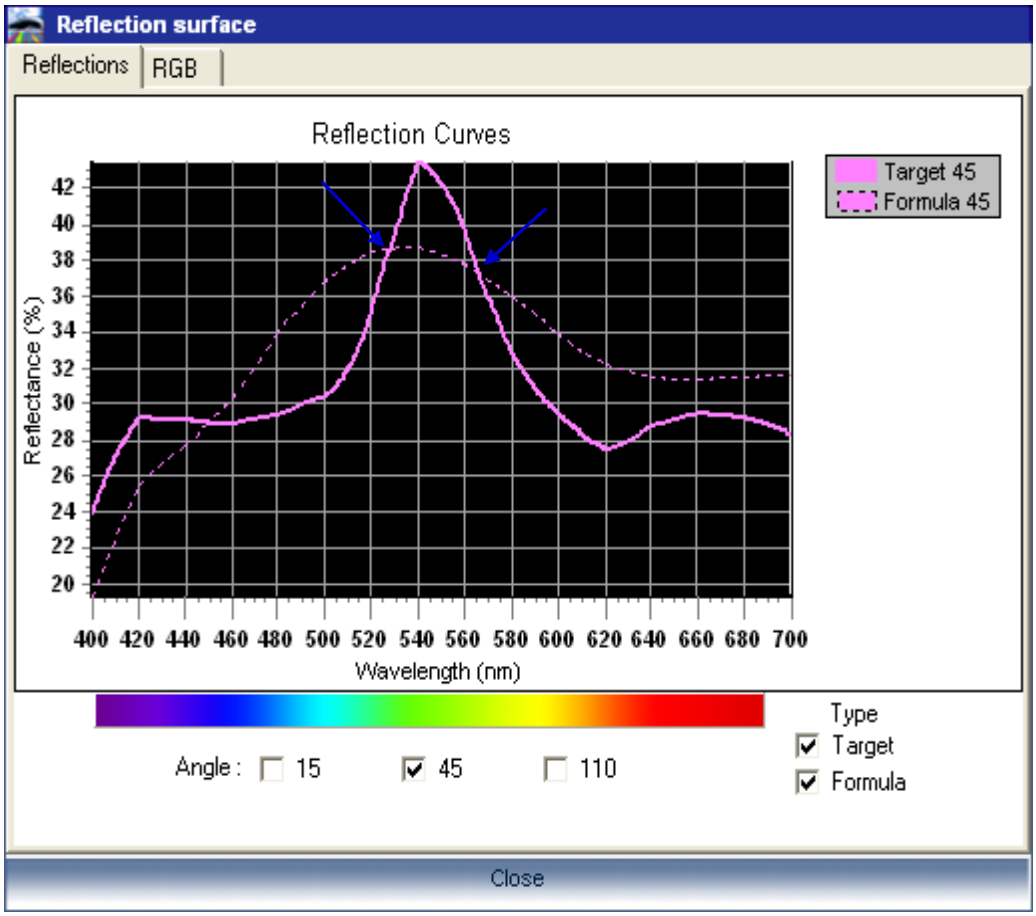

| Mix | Tint name | Formula weight | Shaded | |
|---|---|---|---|---|
| STBLUE 191 | TRANSPARENT | 443,3 | 442,3 | -1.0 |
| STBLUE 152 | SCHWARZ | 201,0 | 173,3 | -27.7 |
| STBLUE 190 | SPEZIAL-ZUSATZ | 189,7 | 189,2 | -0.4 |
| STBLUE 199 | METALLIC-ADDITIV | 46,3 | 98,2 | 51.9 |
| STBLUE 133 | SILBER | 81,0 | 69,9 | -11.2 |
| STBLUE 169 | PURPUR | 12,4 | 7,4 | -5.0 |
| STBLUE 117 | PERLROT TRANSPARENT | 35,4 | 30,5 | -4.9 |
| STBLUE 151 | WEISS | 11,0 | 7,6 | -3.4 |
| STBLUE 159 | DUNKELGELB | 3,1 | 2,7 | -0.4 |
| STBLUE 173 | AZURBLAU | 2,2 | 1,9 | -0.3 |

You can scroll through the results with this button: 

(this is result 9 out of 10 results).
Select the formula and press “Next” to continue in the usual way (weighing...).

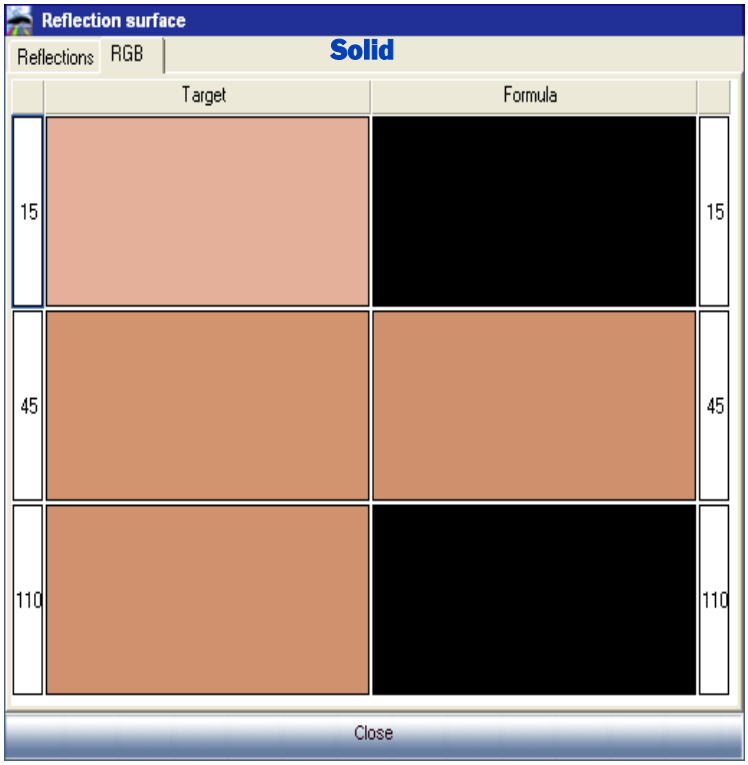
### 3.4.7 Reflection curves.

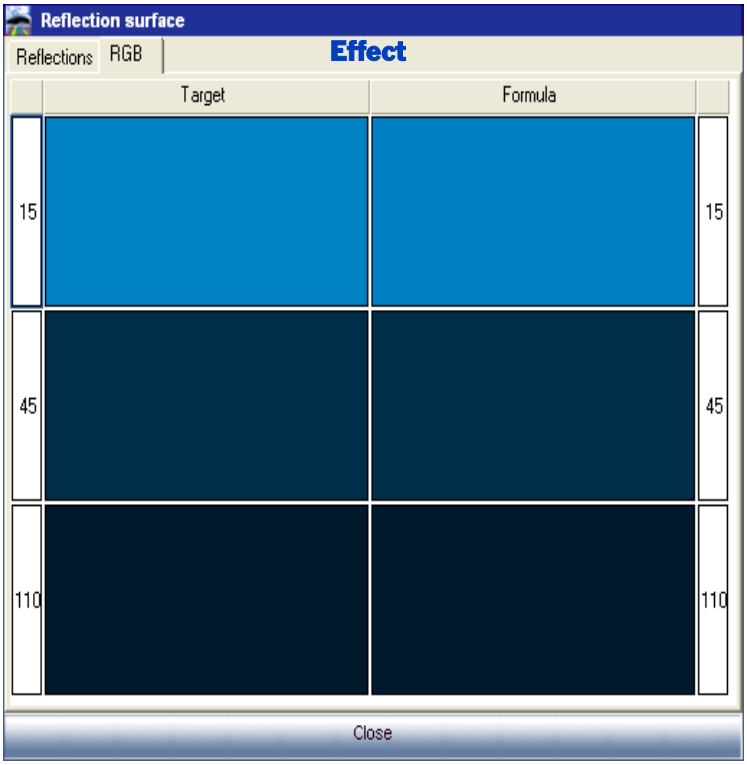
By clicking the „curves" – button the reflection curves of the selected formula (dotted line) compared to the measured formula (even line) are shown. By measuring under three different angles the system can draw conclusions on the presence and kind of effect pigments. For a better overview you may make the 15° and 110° angle invisible for solid colors by deselecting the checkboxes. For effect colors the curves of the three angles need to match, but, so all three have to be regarded, but also here it is easier to look at one angle at a time.
The more similar the curves are, the more similar are the colors. Regarding the colour bar below the graph you may estimate in which direction the measured colour deviates from the formula. If the two lines cross the colors are metameric; the bigger the angle of the crossings the stronger is the metamerism.



### 3.4.8 RGB (= Red – Green – Blue).

The 2nd tab shows the colors on the screen.



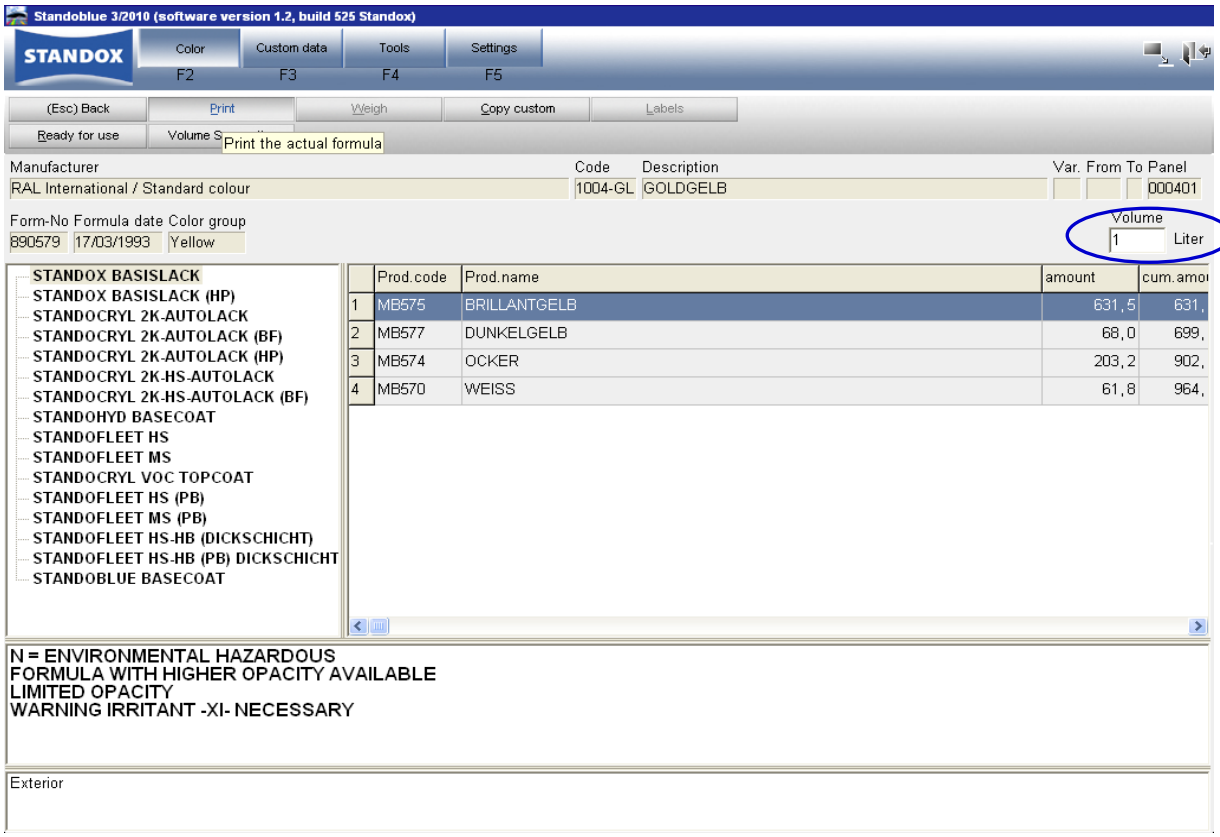

For the measured solid colours the fields for the three angles are coloured, because there are values; the 15° and 110° fields for the database colours are empty as only the 45° values are stored (they are the same for all three different angles).
For the effect colours, the reflections are different under the three angles and that is how the program decides if the measured colour is a solid or an effect if "automatic" is chosen when starting the search. For the database colour reflections for all three angles are displayed.
Go back to the list of formulae by clicking the "Close" bar below the diagram.

### 3.4.9 Shading.

In case you selected a formula that is not marked green (either because there were no green ones found, or a green one is metameric) the program can shade the chosen formula towards the measured one.
Highlight the formula that seems to be the most advantageous and click „Ok" at the bottom right. A message is displayed that a shaded formula was calculated. This formula will be marked green, yellow or orange depending on how good the calculated formula matches the measured one. "Preview" displays the composition of the original formula in comparison to the optimised one, as well as the changes. Click "Formula" and you will again have the opportunity to do changes to the recipe and the volume. S. Create New Formula, p. 77, ff.

## 3.5 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.




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).

### 3.5.2 Desired Volume.

Enter the volume to which the sum of all ingredients (in gram) should be recalculated.
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.

### 3.5.3 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.

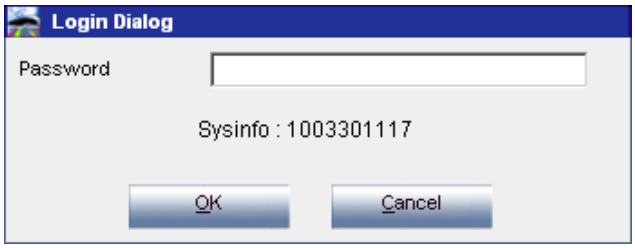
### 3.5.4 Weighing / To scale.

If the button is greyed out, a scale needs to be configured (s. Scale p. 16).

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.

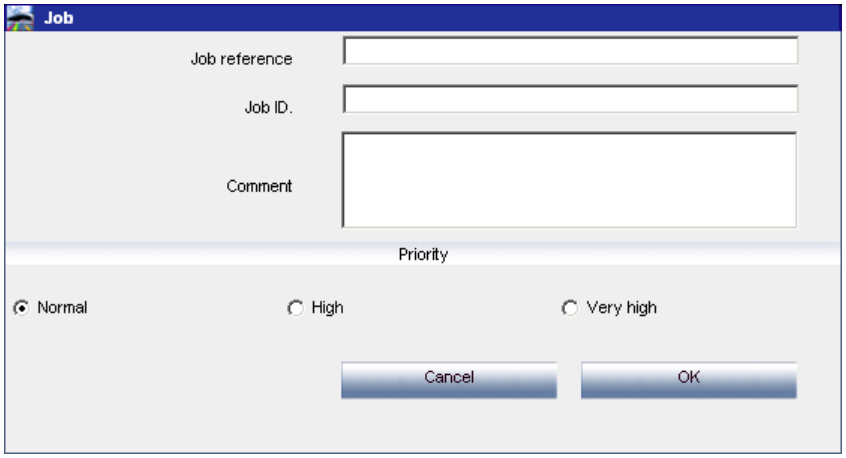
#### 3.5.4.1 Weighing password.

If the option “Force identification on scale” (Identification of users, p. 38) is checked, this identification will be prompted for before opening the scale.




#### 3.5.4.2 Prompting for Job reference.

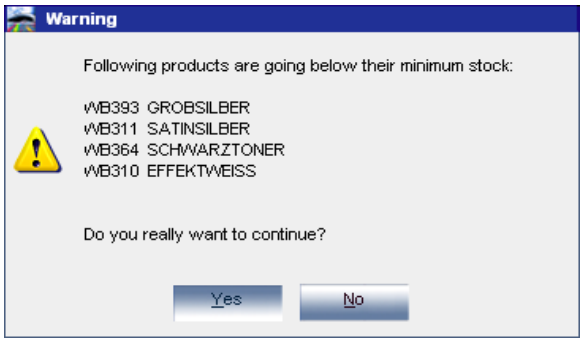
You will be prompted for the job reference, if the option “Job reference mandatory”. is checked in Send to scale / Job Configuration, p. 43.
If a list of jobs was imported, you can select the job reference from this list.




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

#### 3.5.4.3 Stock information.

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




#### 3.5.4.4 Weigh in.

Weigh in the components, confirm with “Ok” or “enter”. In case of faulty weighings you get a warning. You then have the choice between recalculating or ignoring.
The different handlings can be followed up by way of generating reports Deviation Summary Report, p. 89 and Job Detail Report, p. 88.

Depending on the label printer settings, labels will be printed automatically or on request after having finished a job (s. a. Print after weighing, 23).

### 3.5.5 Copy Custom.

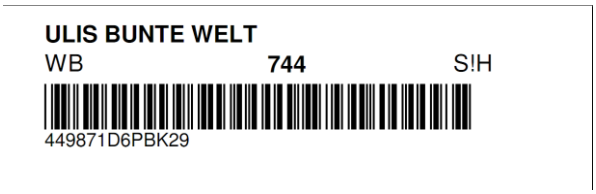
The current formula can be copied and afterwards be altered according to your wishes (-> „Customer/Service Formula”) by clicking the button “Copy Custom”.
After copying a screen comes up that shows certain information copied from the original formula. You can leave them as they are or change them if necessary, and complement them. If you have inserted a letter combination under “settings”, this will appear here as a prefix for the panel number.

### 3.5.6 Label Printing.

You can choose between five different labels for small labels and eight different ones for big labels.

Bar codes will be printed on
the “Color label Large”:

as well as on the “Bar code label”:

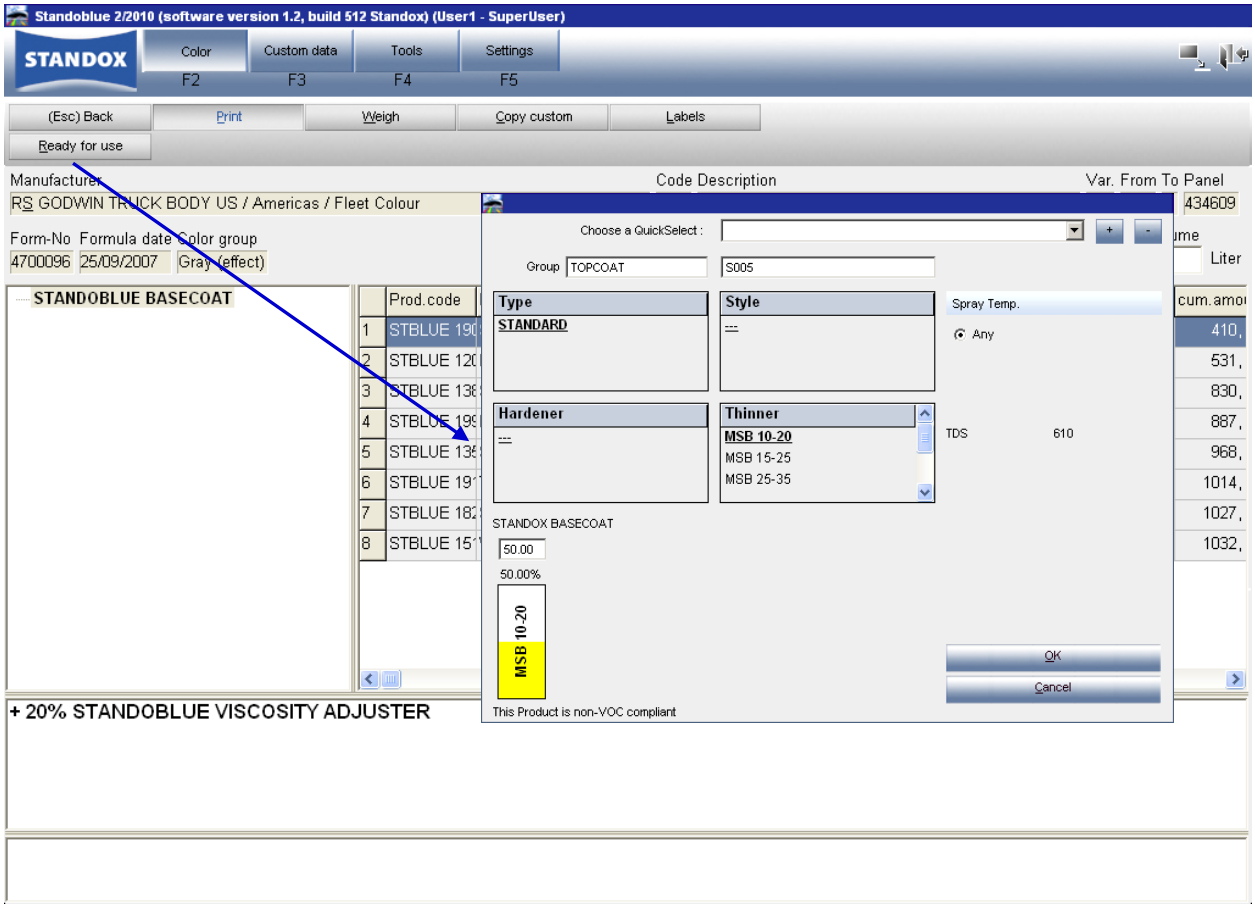



Bar codes can be printed for

- Official formulas
- Service formulas
- Customer formulas

NOTE: Job information can be printed on big labels, if the option ”Print after weighing”, p. 23, is active.

### 3.5.7 Ready for Use.



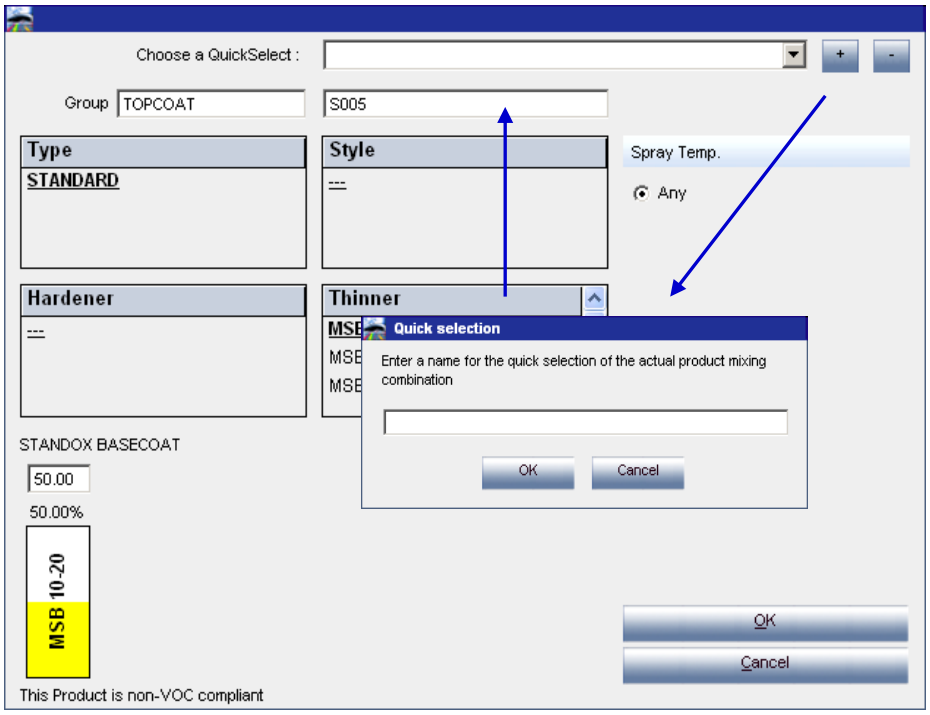

The amount of an extra ingredient (matting/plasticizing agent, water, thinner...) that is necessary to achieve the desired effect can be shown as part of the mixing formula and sent to scale.
Find a formula, mark the desired paint system; click the icon “Ready for use”. The following screen shows again the paint system 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.

### 3.5.7.1 Create a quickselect (often used mixture).

The program allows that you save your favourite product combinations.

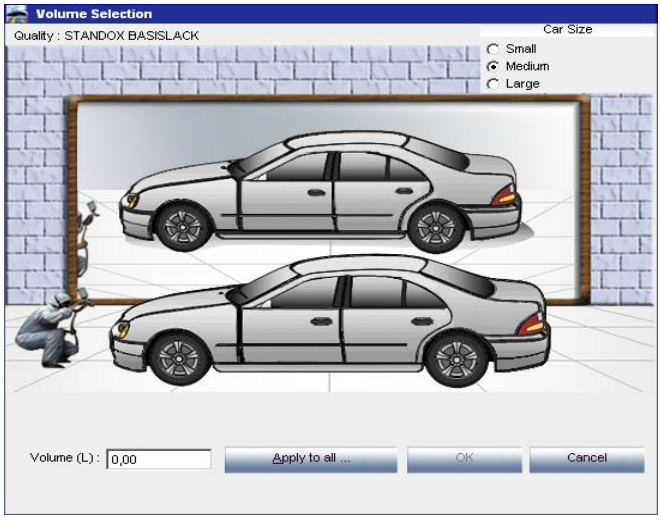
- Press the "+"-button (at the right of the very top line ("choose a quickselect")),
- Enter a name for the product combination.

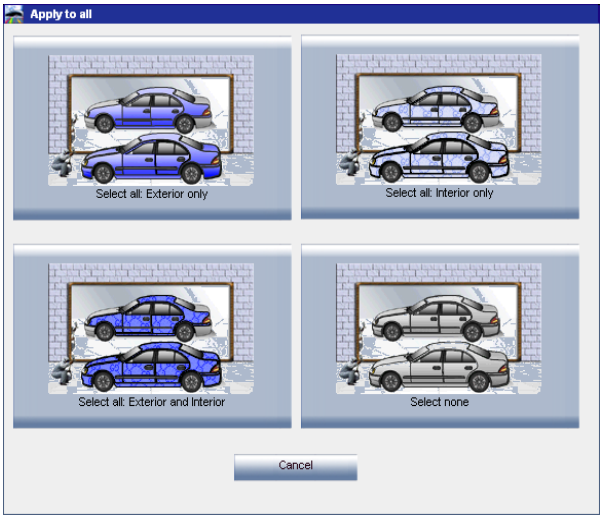
For a next time, the quickselect items can be selected from the drop down list.



### 3.5.8 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 (VS (volume suggestion) factor editor, p. 46).

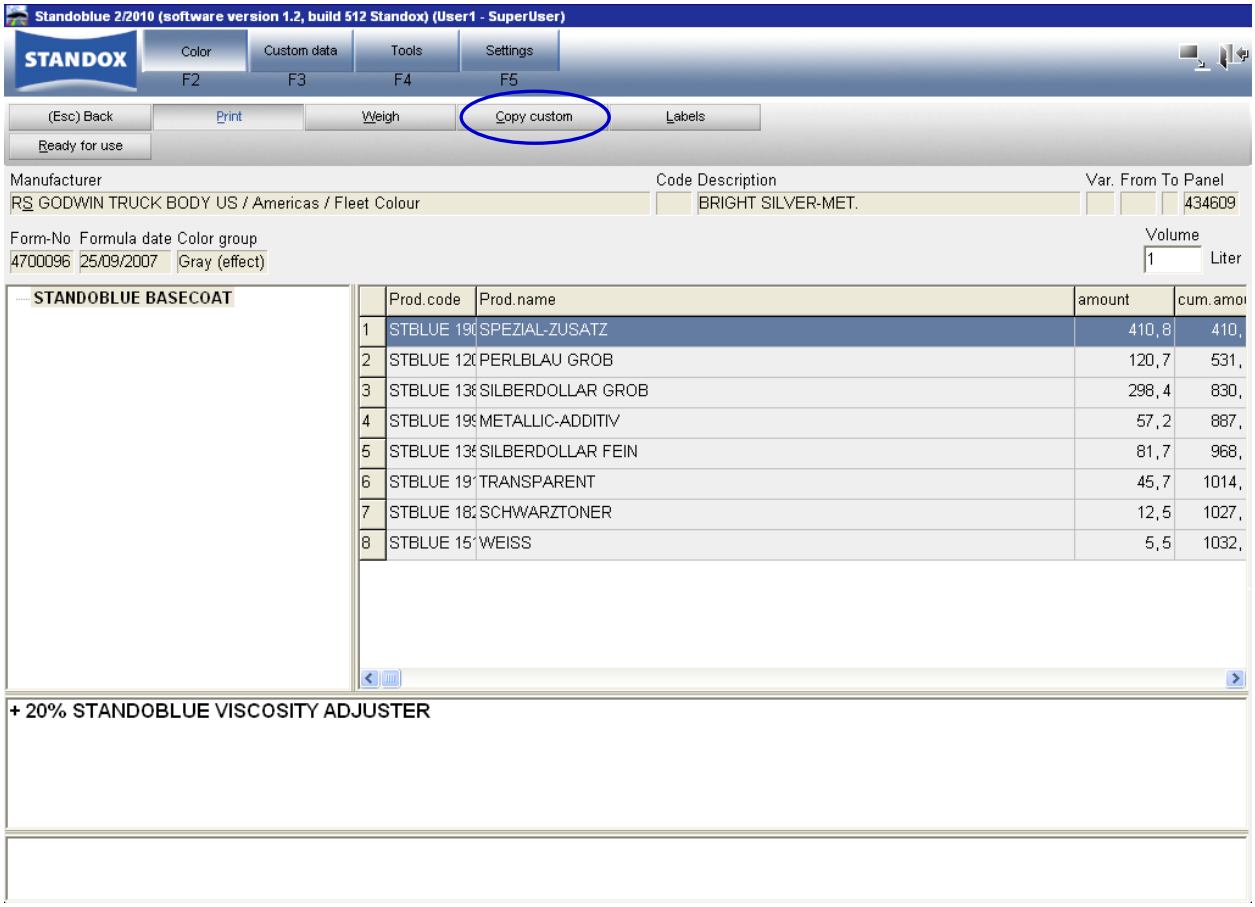
- The volume suggestion function can be activated as default pop up (s. Volume Suggestion, p. 14).
- If it is activated but not needed for a certain case, leave the screen with “Cancel” (otherwise the volume will be set to 0 L).
- The suggested volume can be activated before or after having applied the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

## 3.6 Create New Formula.

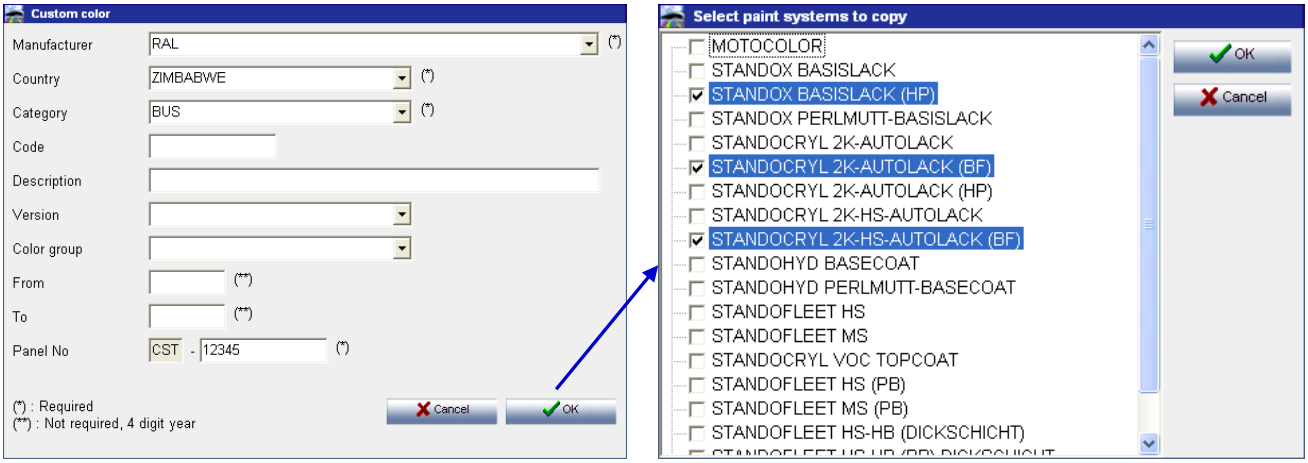
There are two possibilities to create a new formula:

a) You edit an existing formula: startpage -> Colors -> input of criteria -> Formula -> Copy custom




b) You create an entirely new formula: **startpage -> custom data**

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

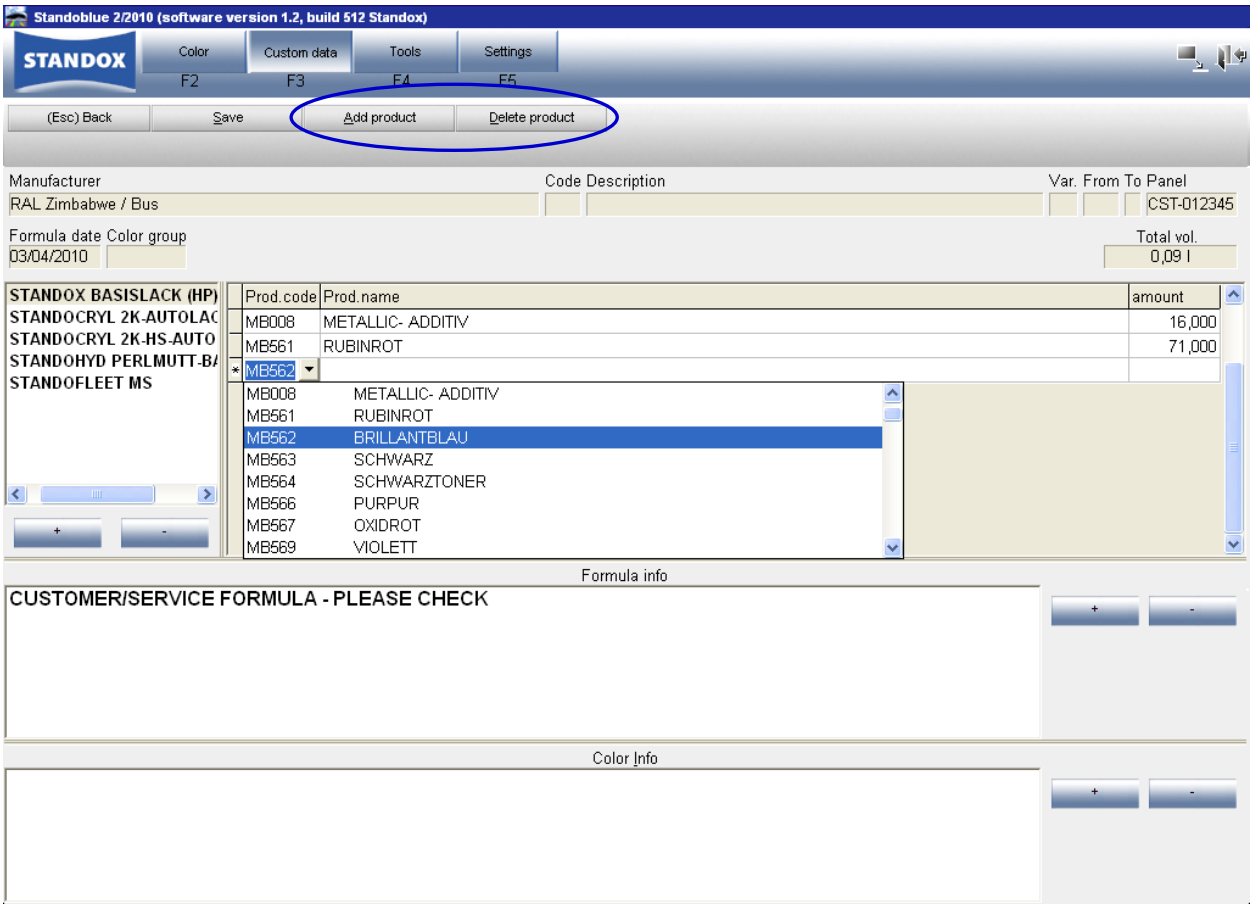


### 3.6.1 Change Input of Tints.

Mark the input that you want to change and change the amount. By saving the alterations the complete mix is recalculated to 1 liter.

### 3.6.2 Add Product.

By clicking 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 and select a new product from the list that is displayed when the little arrow is clicked. The name of the new product comes up automatically. Type in the amount (in gram).




### 3.6.3 Delete Product.

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

### 3.6.4 Additional Information.

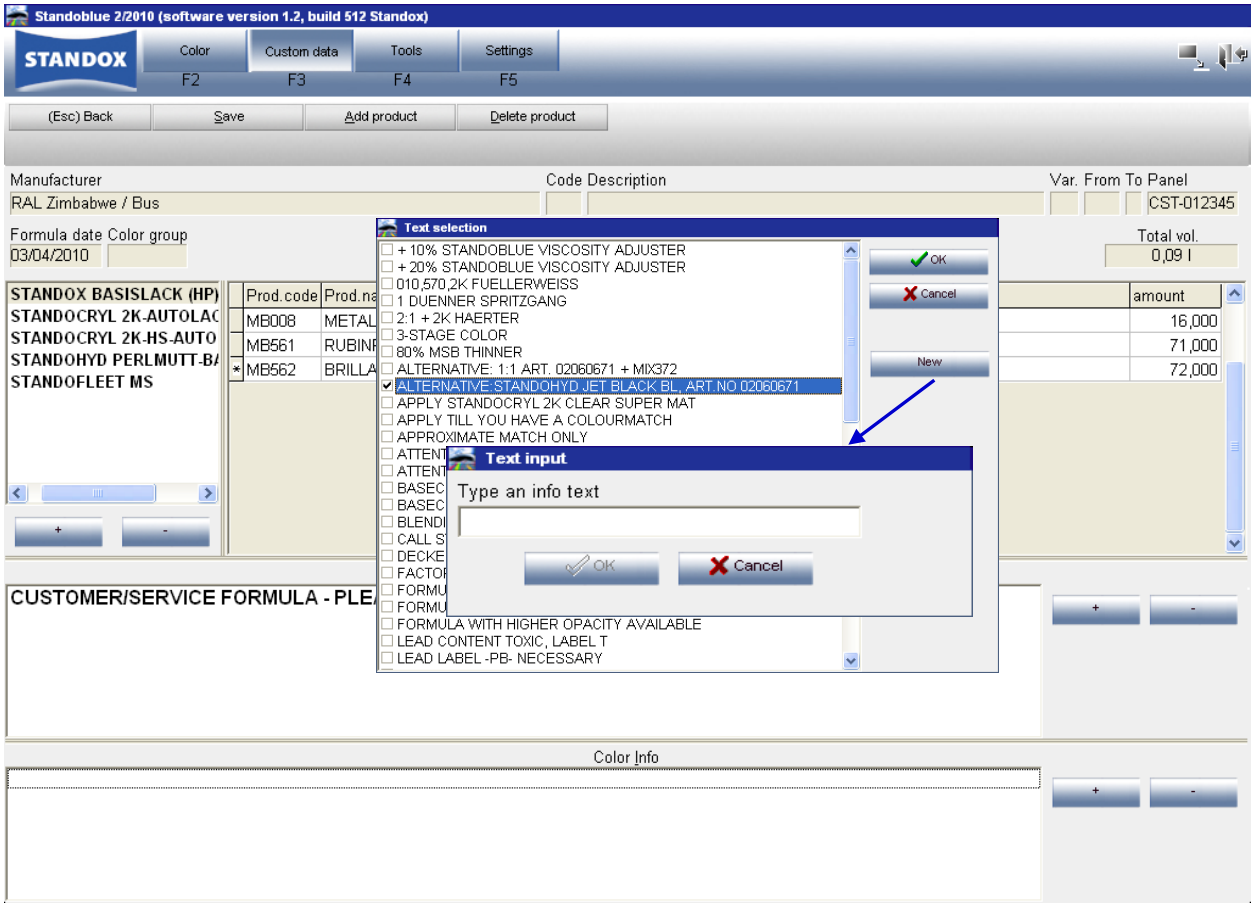
At the bottom of the screen you have two more fields: "Formula info" and "Color Info".

### 3.6.4.1 Formula Info.

By creating a new formula one hint comes up automatically: "Customer/service formula – please check". This cannot be deleted. All others – that might have been copied from the original – can be deleted by marking them and pressing the "-" – button on the right side.
When the „+" – button is pressed another screen pops up that contains a selection of standard texts that you can choose by clicking on the checkboxes. If you require a sentence that is not in the list, press "New". In the following form you can write your text, confirm with "Ok", the text will appear in the list.
The chosen sentences will be displayed on the formula page.).

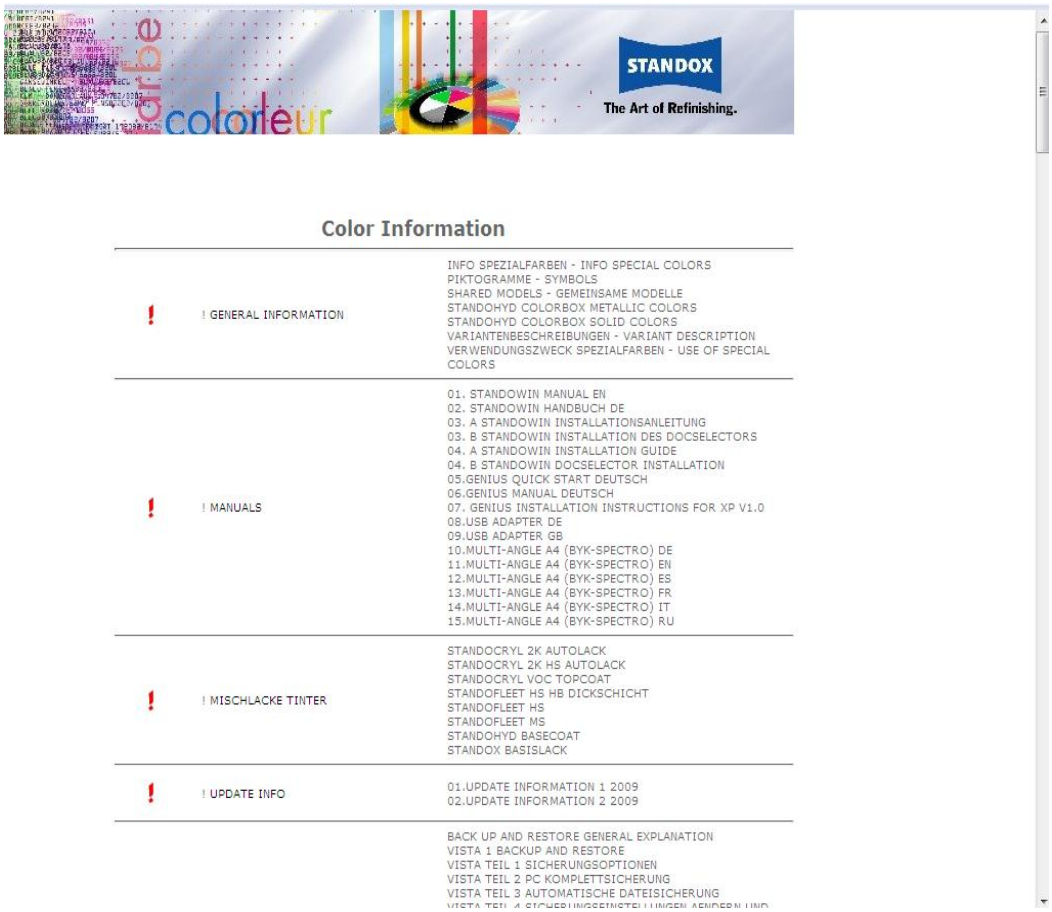
### 3.6.4.2 Color Info.

Proceed as is described under Formula Info, oben.
In case you chose more than one paint system for which you wanted to create a new formula, mark the next paintsystem in the field on the left an proceed as described.
In this step the amount is calculated on 1 liter. To be able to change the volume and send the formula to the scale, you need to go via **startpage -> colors -> only custom formulae -> Search -> mark desired formula -> Formula** or enter.



## 3.7 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).



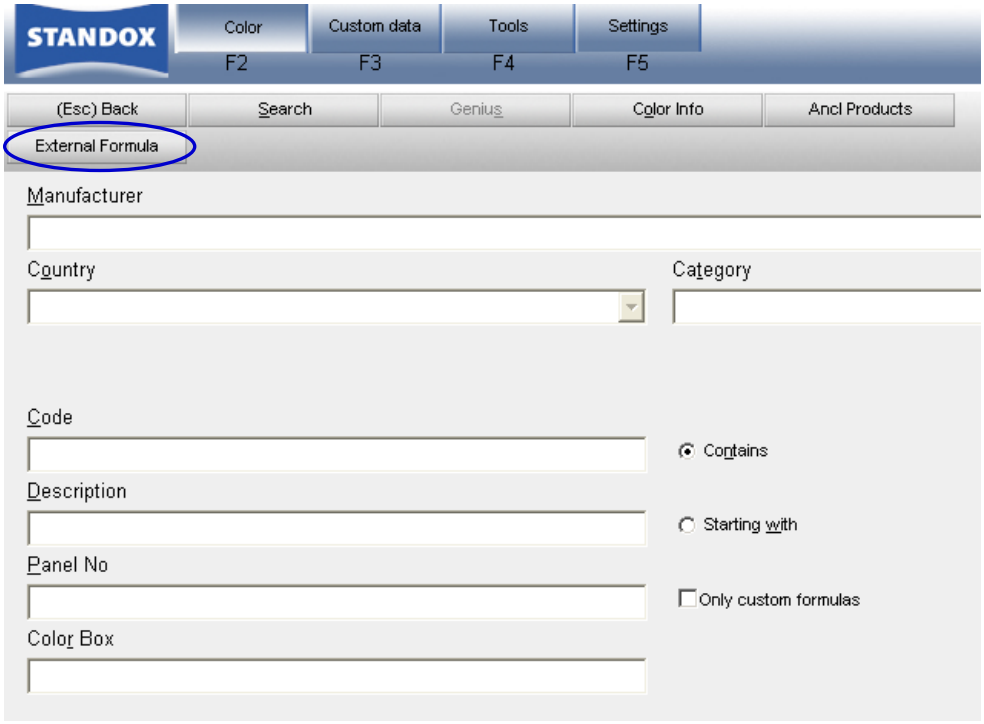

## 3.8 Ancillary Products.

It is the same module as the “Ready for Use” (s. a. Ready for Use, p. 74), 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. 75) 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.

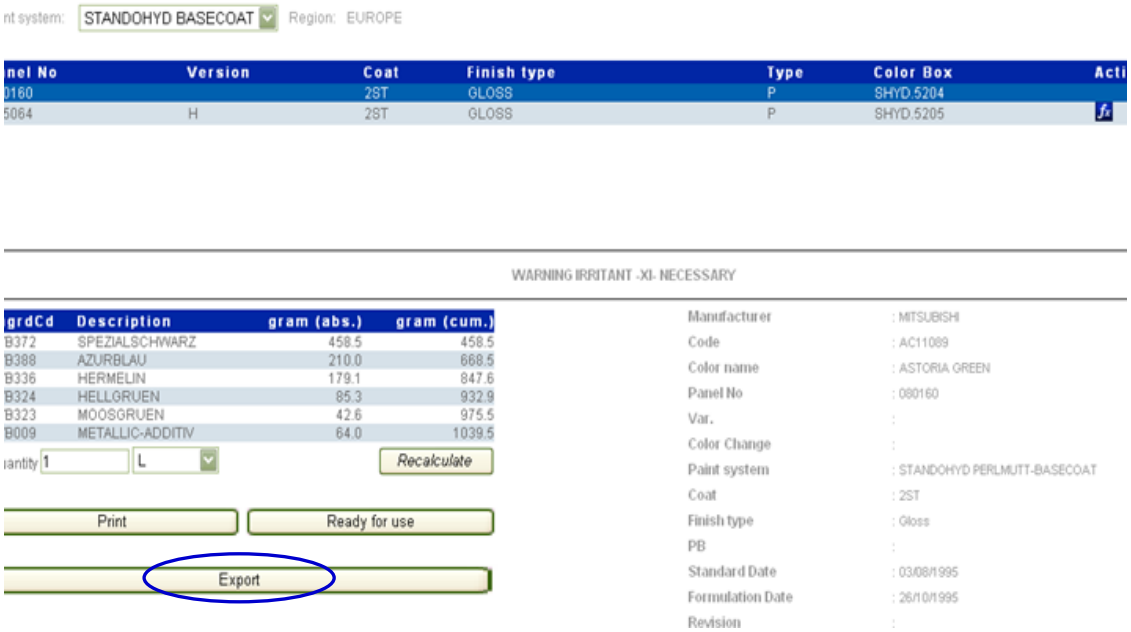
## 3.9 External formula.

In Standowin, you have the possibility to import an external formula from the internet via “External Formula” in the Color [F2] screen of the tool.

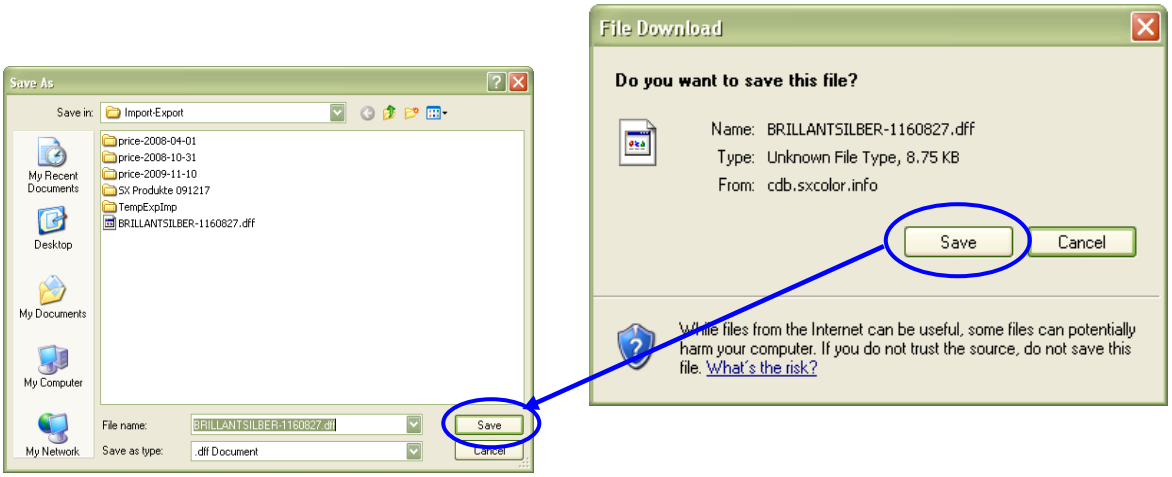



Steps to follow:
Search a formula from the Standox Colour Retrieval website www.standox.com or your local website.

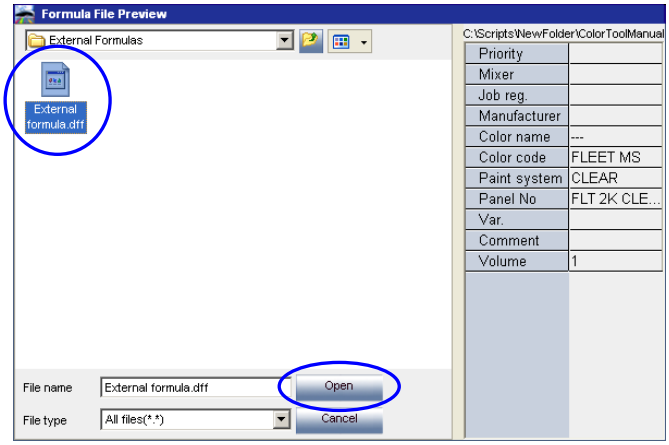
- Click on the “Export”- button under the formula in the “Formula info” page.



- 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\Standox\Import-Export.




- Once the file is saved, you can import it via the "External Formula" button in Standowin. 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 custom data ➔ formula can be re-used.

# 4 Custom data.

Color retrieval only takes into account your own formulae.
Furthermore you can create entirely new formulae.

## 4.1 Search.

The procedure is described under Formula retrieval by criteria (page 50). The next screen lists all formulae suiting your search criteria and gives you several possibilities to maintain them.
They can be sorted alphanumerically by clicking the header of the column by which you wish to sort.

### 4.1.1 New.

Create a new formula, procedure as described under Create New Formula, p. 77).

### 4.1.2 Remove.

Removes the marked formula.
Several can be deleted at once if they have been marked beforehand.

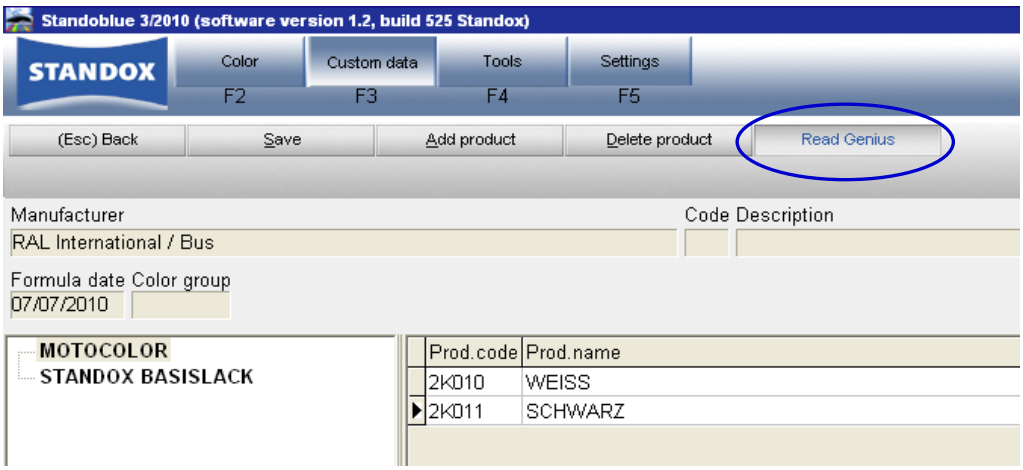
### 4.1.3 Edit Header.

By clicking this button the screen with formulae information ("header") pops up and you can do changes, s. Create New Formula, p. 77.

### 4.1.4 Edit Formula.

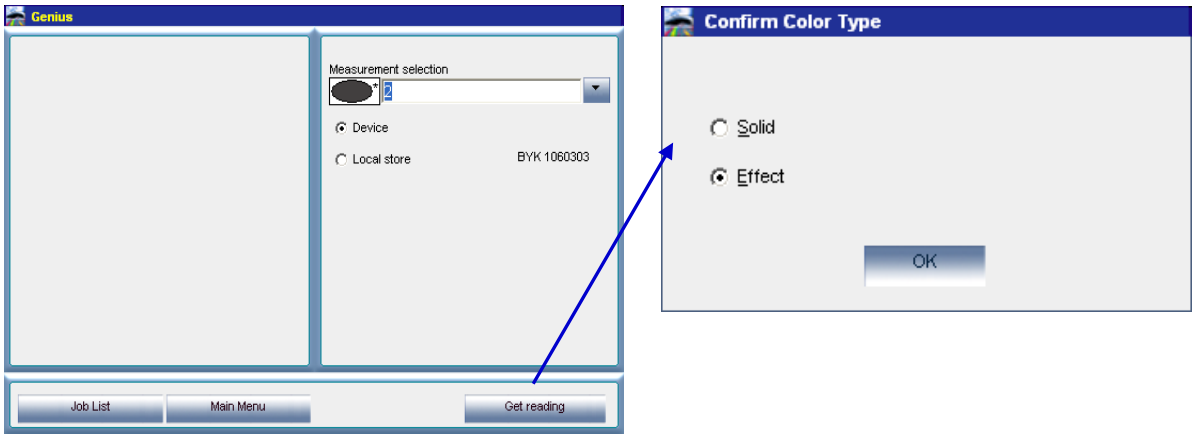
Changes to the formula can be done after clicking this button, s. Create New Formula, p. 77.

### 4.1.5 Read Genius 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".

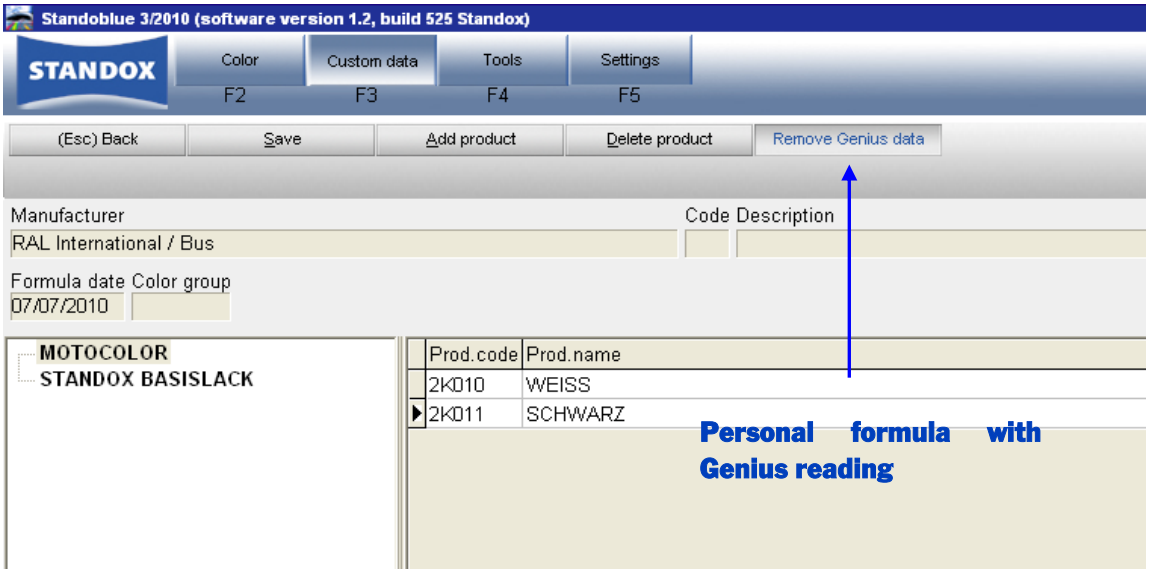



- Confirm the color type (solid or effect color).

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.

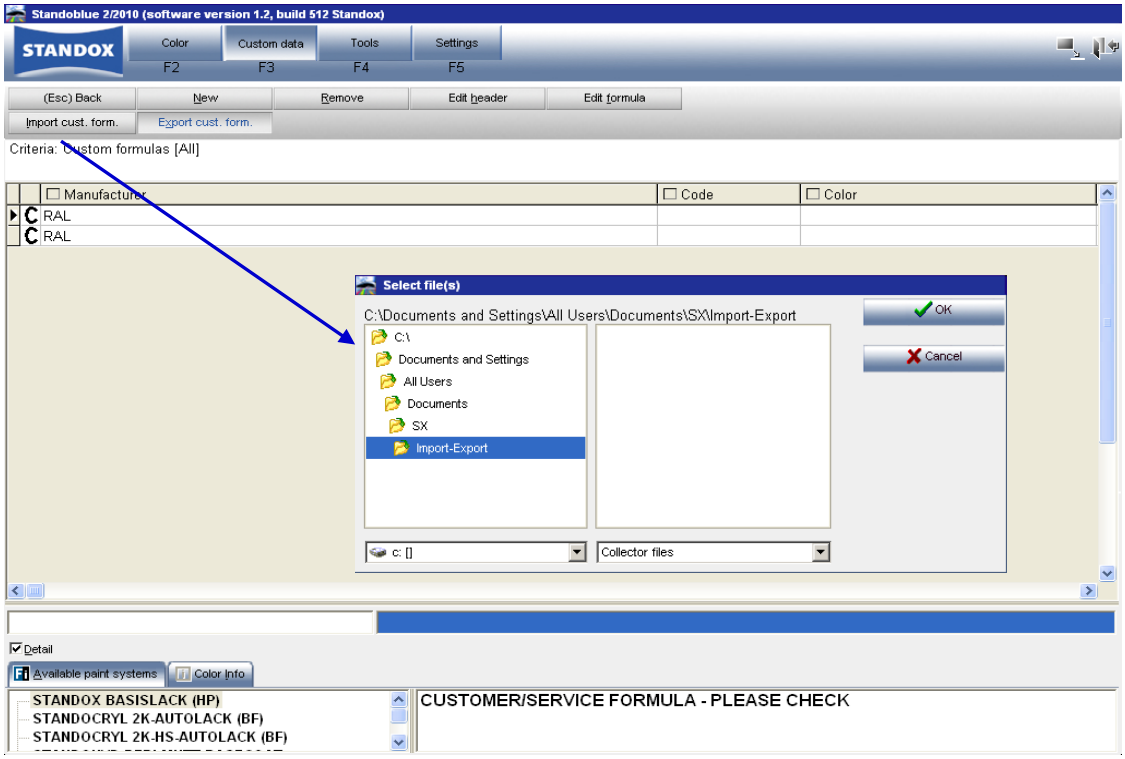
If you saved a formula from the official database into your personal database, the Lab – values are already attached. They can be removed and replaced by your own.

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.



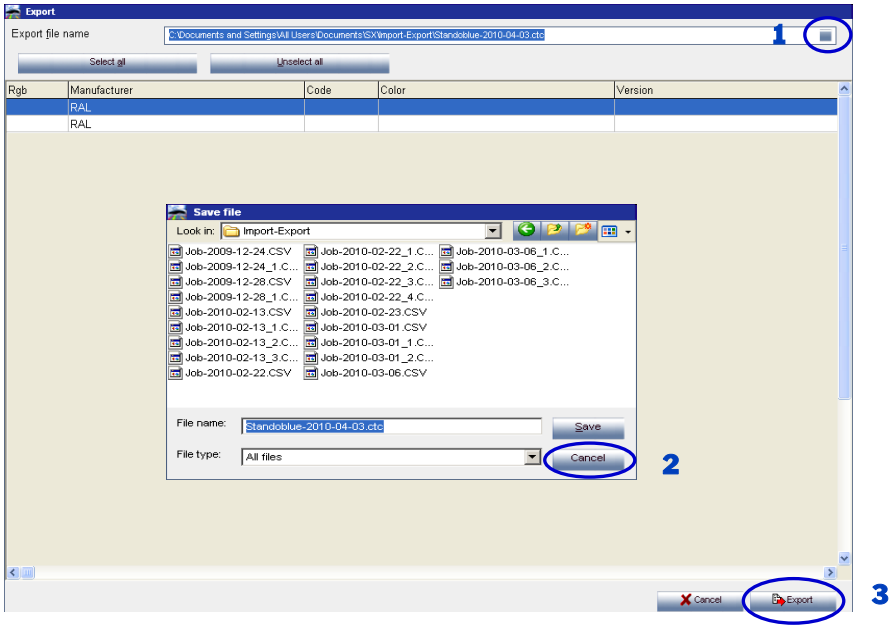
### 4.1.6 Import Custom Formulae.

Import your .ctc – file to extend your set of custom formulae by the ones from the file (the program always adds the information from the import – file, i. e. you may end up with multiple identical entries for one formula).
Press the "Import Customer Formulae" - button and from the following screen the directory of the file that you want to import, press "Ok".



### 4.1.7 Export Custom Formulae.

The screen opening after having clicked this button shows formulae that can be exported. Press "Select all" if you want to export all of them. In case you wish to export only certain ones mark them by clicking on the lines while pressing the "control" key. Otherwise you may "Select all" and deselect single formulae by clicking them and pressing the "control" key at the same time. By default this directory is in the automatically generated "Import-Export" folder on the hard disk, but you may choose any destination. Name the file, "Save" it and "Export".
The new file has a .ctc – extension and cannot be opened outside the Standowin program. It can be stored on any storage media or sent by email to be imported into a Standowin program again.




## 4.2 New Custom Formula.

The same form pops up as for „copy custom" (s. 3.5.5 Copy Custom, p. 72), but as you work without template there are no entries – except "Custom formula panel No. enhancer". Entries for *- marked fields are obligatory. Proceed as described under Create New Formula, p. 77).

# 5 Tools.

## 5.1 Manual Scale.

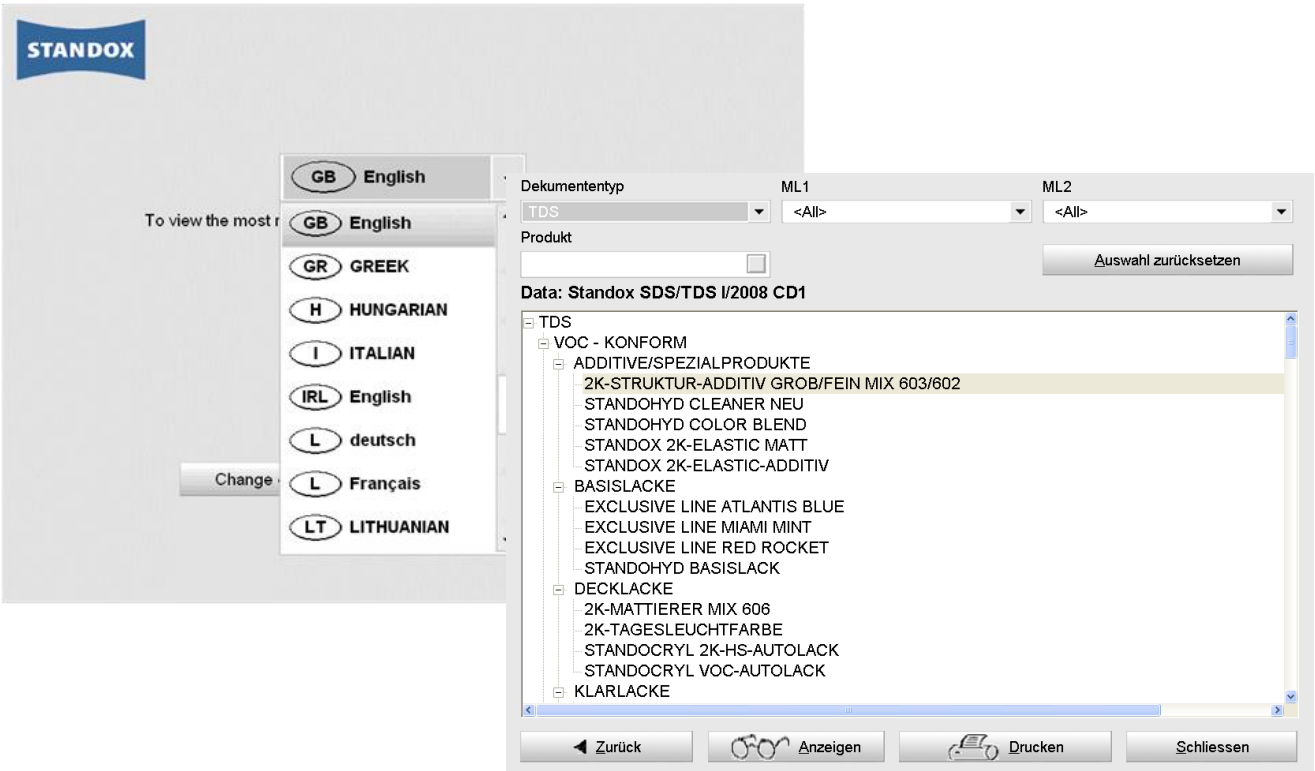
If you work on a scale without display the computer screen can be used as such. The button is only activated, if you chose “Allow weight display” in the scale settings (s. Allow weight display, p. 18).

## 5.2 SDS/TDS.

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

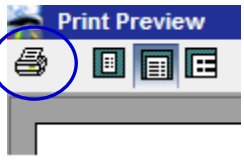
If the PC is connected to the internet, it is recommendable to retrieve datasheets from there as they are updated regurlarly. If this is not possible, klick “No thanks”. You can then select SDS or TDS by pressing the respective button on the successing screen. They will be displayed in the coutry/language combination you selected in DocViewer, p. 23.

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



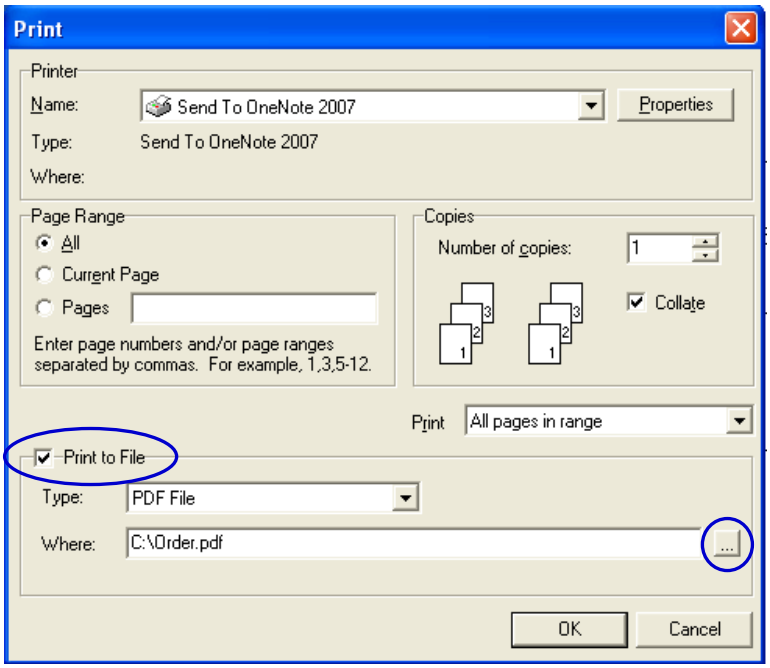
## 5.3 Reports.

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. 89) 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.




### 5.3.1 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.

### 5.3.2 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).

### 5.3.3 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.

### 5.3.4 Consumption Report.

Criteria: time range, scale operator.
For each product practically used amounts and costs ("value") are listed – added up over all jobs.

### 5.3.5 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.

### 5.3.6 Mix Report.

Standard report.
Criteria: time range; scale operator;
Detailed material usage per job that was performed during the defined time range.

### 5.3.7 Scale Report.

Standard report.
Criteria: time range; job reference; job number; scale operator;
Detailed display per job and scale.
Material usage on product group.

## 5.4 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.

### 5.4.1 Installation.

When using a calculated password - s. special password, p. 8 - you have the possibility to install the stock management module on top of all other modules.

### 5.4.2 Useful Configurations.

#### 5.4.2.1 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. 16 and / or Configuration of the EcoMix terminal, p.19.

#### 5.4.2.2 Users definition.

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

S. a. Users, p.36.

### 5.4.3 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.

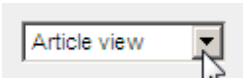
Parameters are:

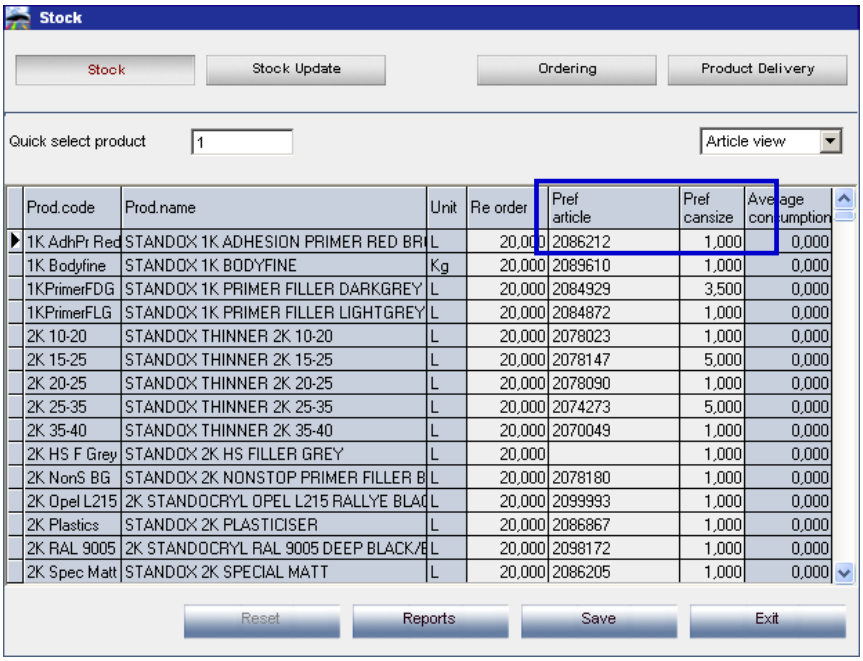
### 5.4.3.1 Product and can size selection.

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;
- Paint Systems, s. **Paint Systems**, p. 47;
- Products, s. Product Visibility, p. 48;

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).



### 5.4.3.2 Minimum Stock.

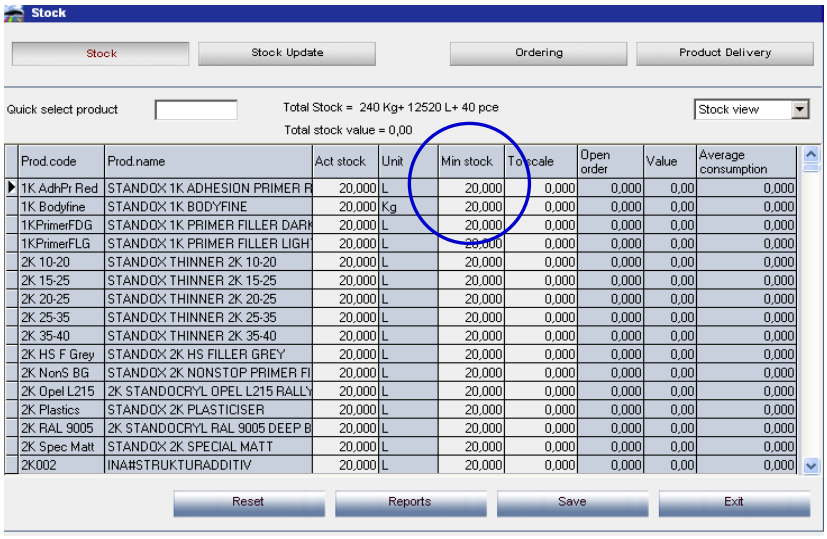
Minimum stock is the stock level at which it is time to re-order products in order to avoid a stock outage.

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




| Prod.code | Prod.name | Act stock | Unit | Min stock | To scale | Open order | Value | Average consumption |
|---|---|---|---|---|---|---|---|---|
| 1K AdhPr Red | STANDOX 1K ADHESION PRIMER R | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 1K Bodyfine | STANDOX 1K BODYFINE | 20,000 | Kg | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 1KPrimerFDG | STANDOX 1K PRIMER FILLER DARK | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 1KPrimerFLG | STANDOX 1K PRIMER FILLER LIGH | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K 10-20 | STANDOX THINNER 2K 10-20 | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K 15-25 | STANDOX THINNER 2K 15-25 | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K 20-25 | STANDOX THINNER 2K 20-25 | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K 25-35 | STANDOX THINNER 2K 25-35 | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K 35-40 | STANDOX THINNER 2K 35-40 | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K HS F Grey | STANDOX 2K HS FILLER GREY | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K NonS BG | STANDOX 2K NONSTOP PRIMER FI | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K Opel L215 | 2K STANDOCRYL OPEL L215 RALLY | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K Plastics | STANDOX 2K PLASTICISER | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K RAL 9005 | 2K STANDOCRYL RAL 9005 DEEP B | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K Spec Matt | STANDOX 2K SPECIAL MATT | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |
| 2K002 | INA#STRUKTURADDITIV | 20,000 | L | 20,000 | 0,000 | 0,000 | 0,00 | 0,000 |

### 5.4.3.3 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.)

| Prod.code | Prod.name | Unit | Act stock | To scale | Open order | Min stock | Re order | Pref article | Pref cansize | Value |
|---|---|---|---|---|---|---|---|---|---|---|
| 1K AdhPr Red | STANDOX 1K ADHESION PRIMER RED BROWN | L | 20,000 | 0,000 | 0,000 | 20,000 | 20,000 | 2086212 | 1,000 | 0,00 |
| 1K Bodyfine | STANDOX 1K BODYFINE | Kg | 20,000 | 0,000 | 0,000 | 20,000 | 20,000 | 2089610 | 1,000 | 0,00 |
| 1KPrimerFDG | STANDOX 1K PRIMER FILLER DARKGREY | L | 20,000 | 0,000 | 0,000 | 20,000 | 20,000 | 2084929 | 3,500 | 0,00 |
| 1KPrimerFLG | STANDOX 1K PRIMER FILLER LIGHTGREY | L | 20,000 | 0,000 | 0,000 | 20,000 | 20,000 | 2084872 | 1,000 | 0,00 |
| 2K 10-20 | STANDOX THINNER 2K 10-20 | L | 20,000 | 0,000 | 0,000 | 20,000 | 20,000 | 2078023 | 1,000 | 0,00 |
| 2K 15-25 | STANDOX THINNER 2K 15-25 | L | 20,000 | 0,000 | 0,000 | 20,000 | 20,000 | 2078147 | 5,000 | 0,00 |

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).

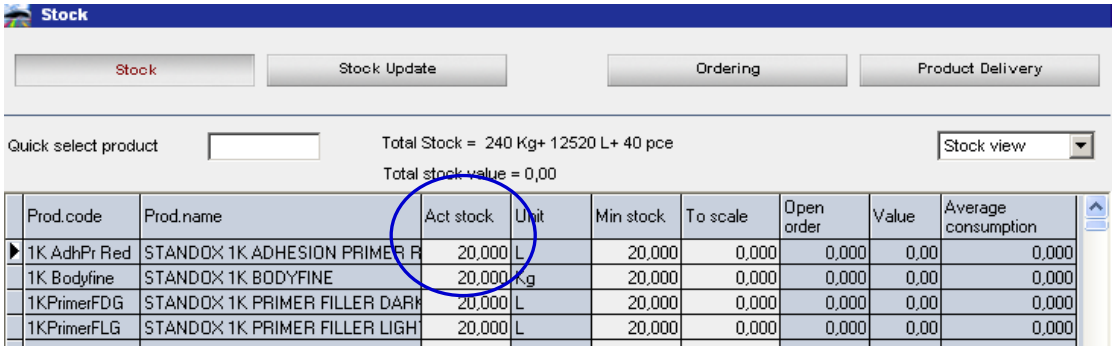
### 5.4.4 Stock Update.

#### 5.4.4.1 Manual stock update.

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

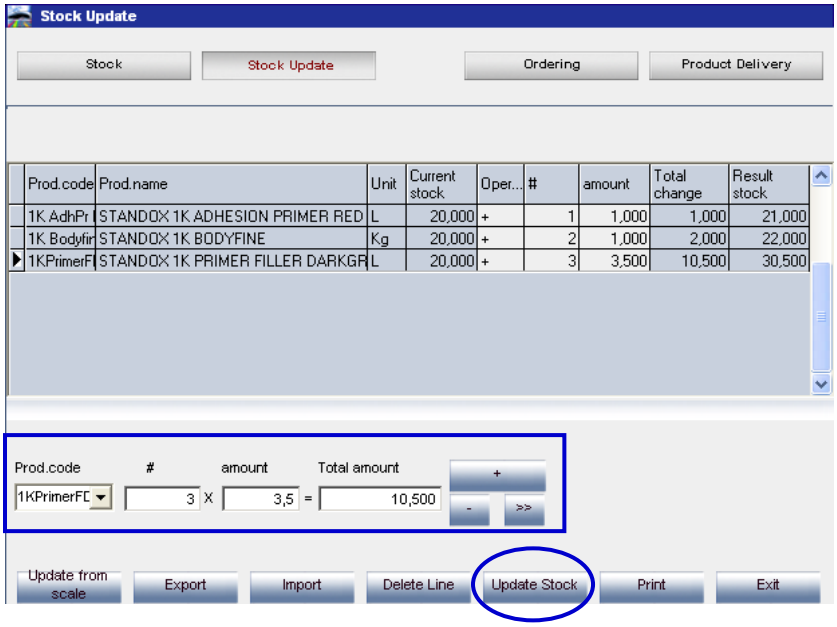
The manual change can either be done in the "Act stock" column in the Stock view or in the "Stock Update" section where you can then enter a product, quantity and operator.

- "Act stock" column in the Stock view




- 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.

### 5.4.4.2 Import of a CSV-file.

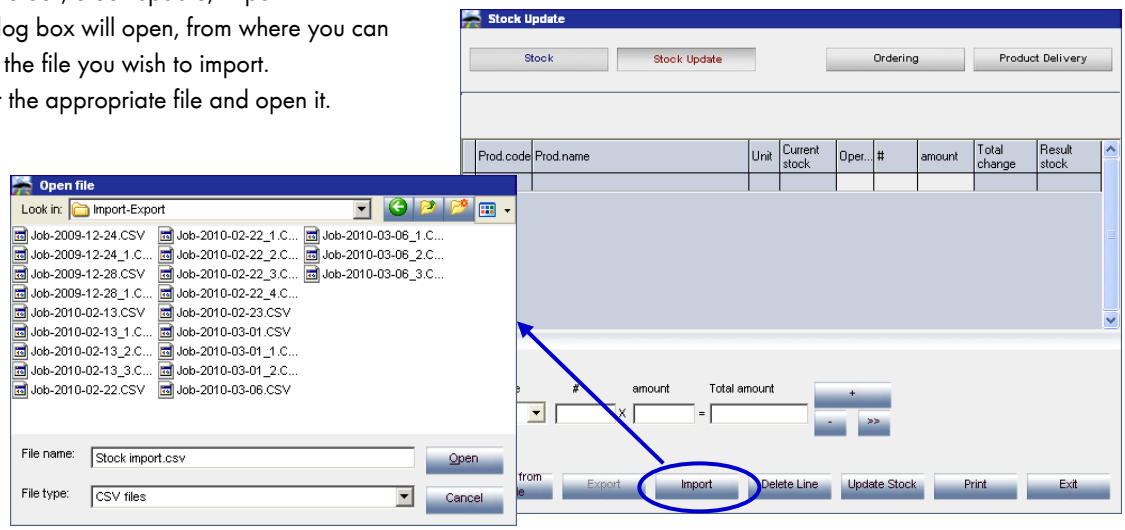
It is possible to update your incoming stock, by importing a CSV-file.

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

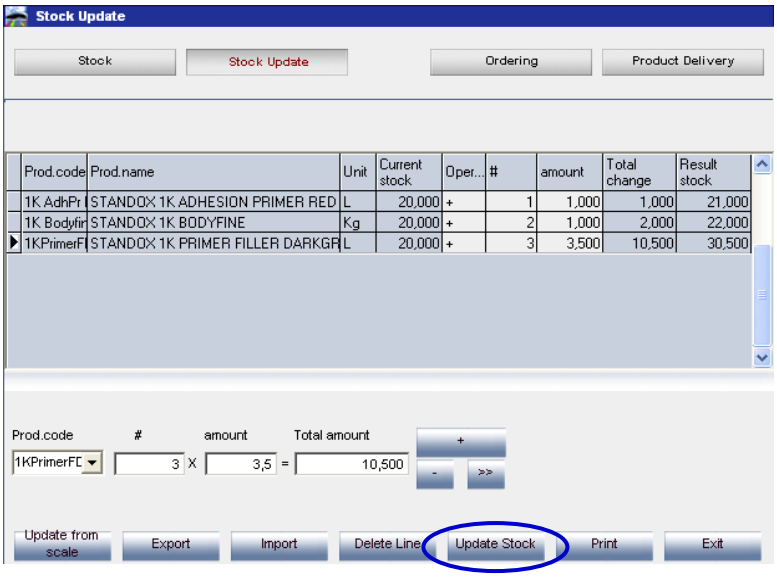
| | | | |
|---|---|---|---|
| 2 | 1K Bodyfine | 0,25 | + |
| 2 | 1KPrimerFDG | 3,5 | + |
| 3 | MB851 | 1 | + |
| 5 | WB323 | 0,5 | + |

1st column is the number of cans
2nd column is the product code
3rd column is the can size
4th column is the "Operator", where: + = Add - = Deduct >> = Replace

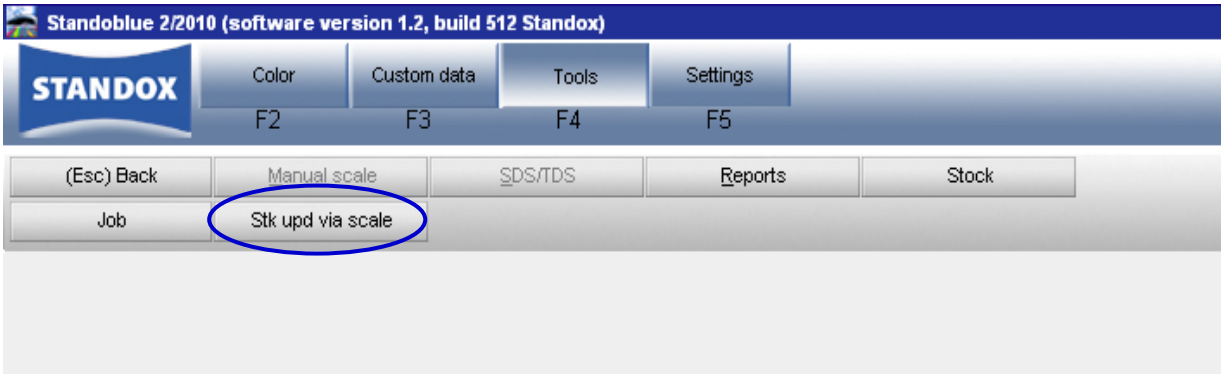
- Open Stock, Stock update, Import
- A dialog box will open, from where you can select the file you wish to import.
- Select the appropriate file and open it.




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



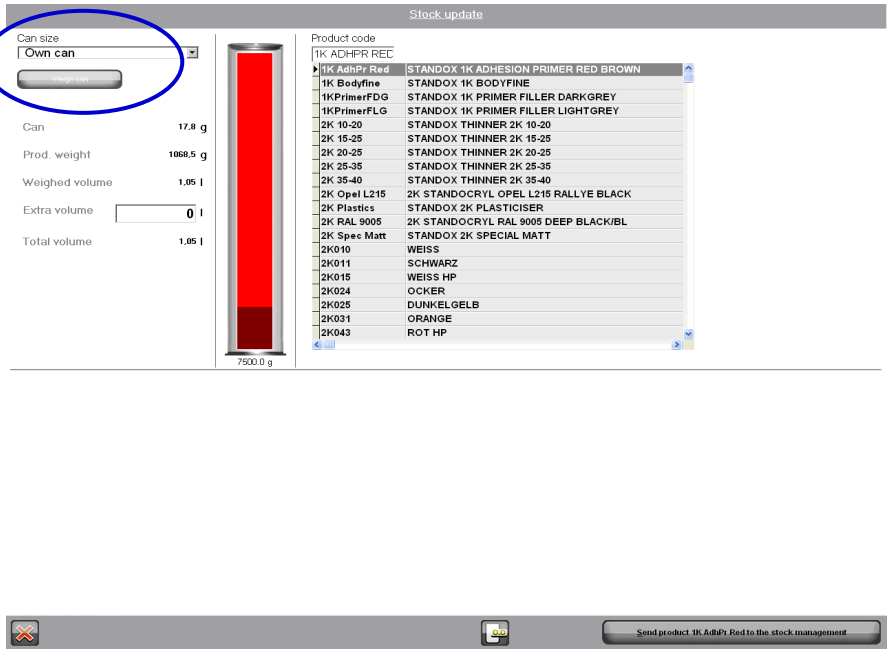
### 5.4.4.3 Update via weighing.




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).

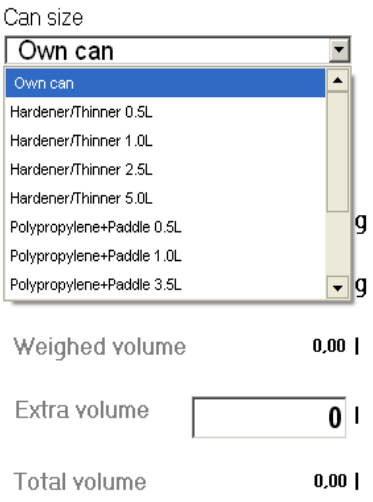
By pressing “Stock update via weighing” a screen opens, displaying the list of all products.
NOTE: the list of products depends on the configuration settings of the software.
S. Product and can size selection, p. 91.

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.



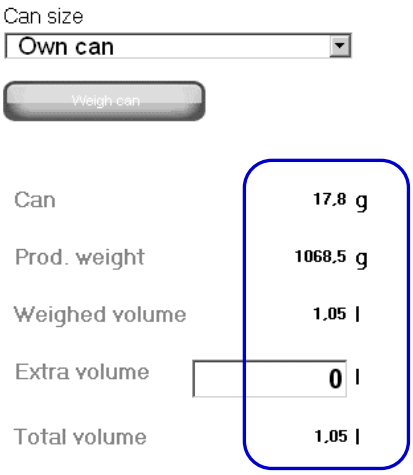
## Steps to follow on the scale side (by the user):

- 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.



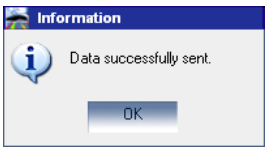

- Put the can on the scale.

The product weight will be calculated. An extra volume (full cans) can be added.



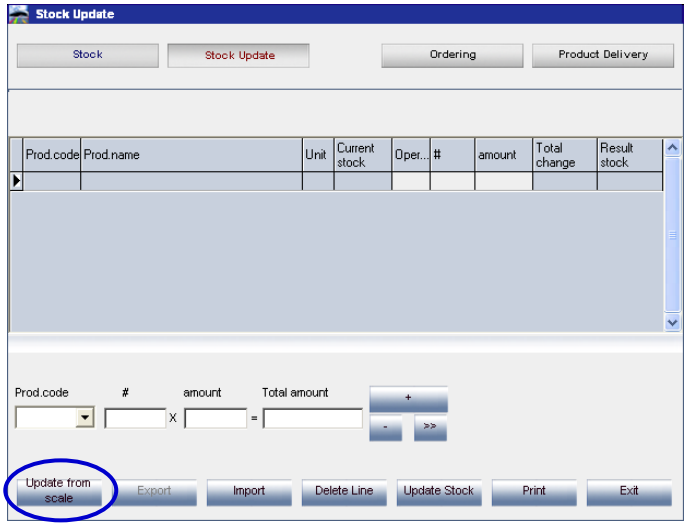

- When all info is correct, press "Send product ... to the stock management". A confirmation message will be shown.

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



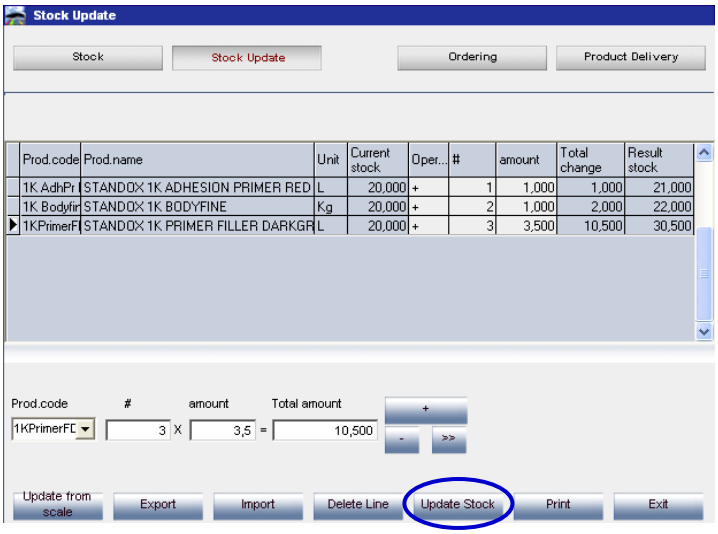
## Steps to follow on the Stock Management side (by the manager):

- 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.



### 5.4.4.4 Stock update via order deliveries.

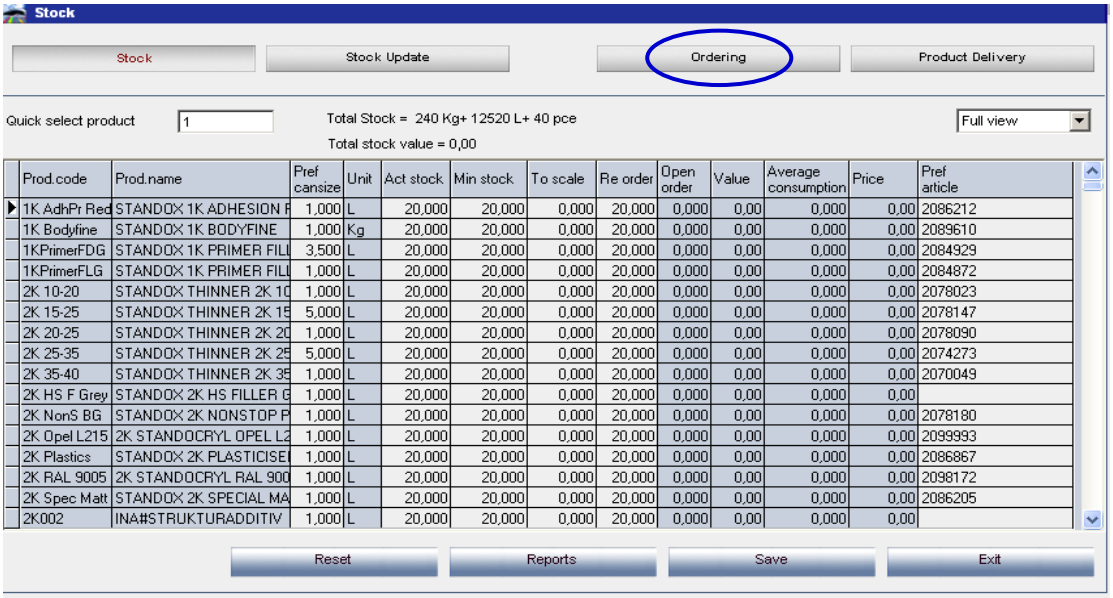
Stock update via order deliveries is only used for incoming stock.

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. 90.

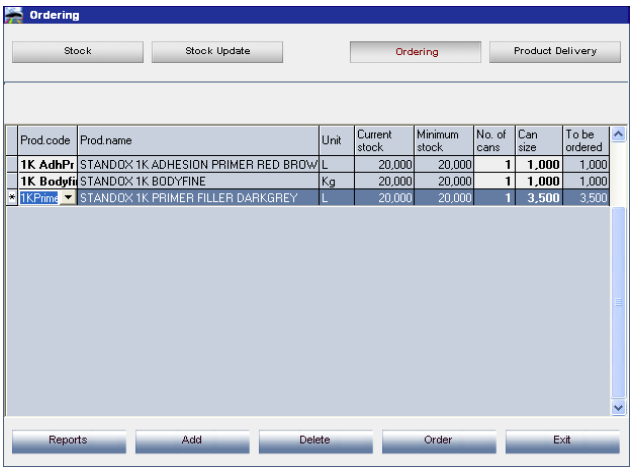
**Steps to follow for the order creation:**

- Open Stock Management / Ordering

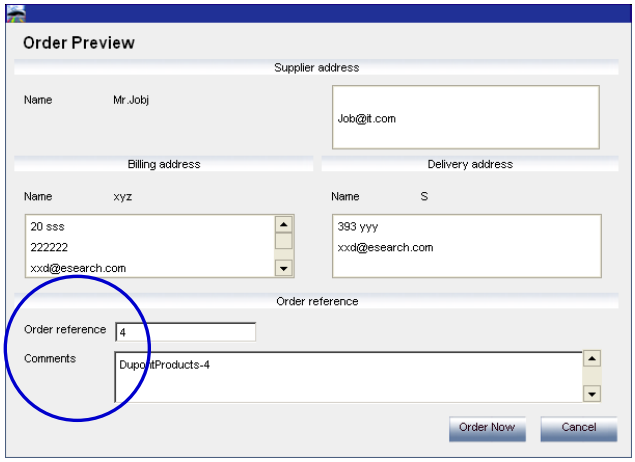



- An order is proposed by the system.
- In this screen, it is still possible to Add products that are not in your order proposal, or to Delete products that are suggested in the order.

- When you agree with the order, press "Order" on the bottom of the screen to continue.

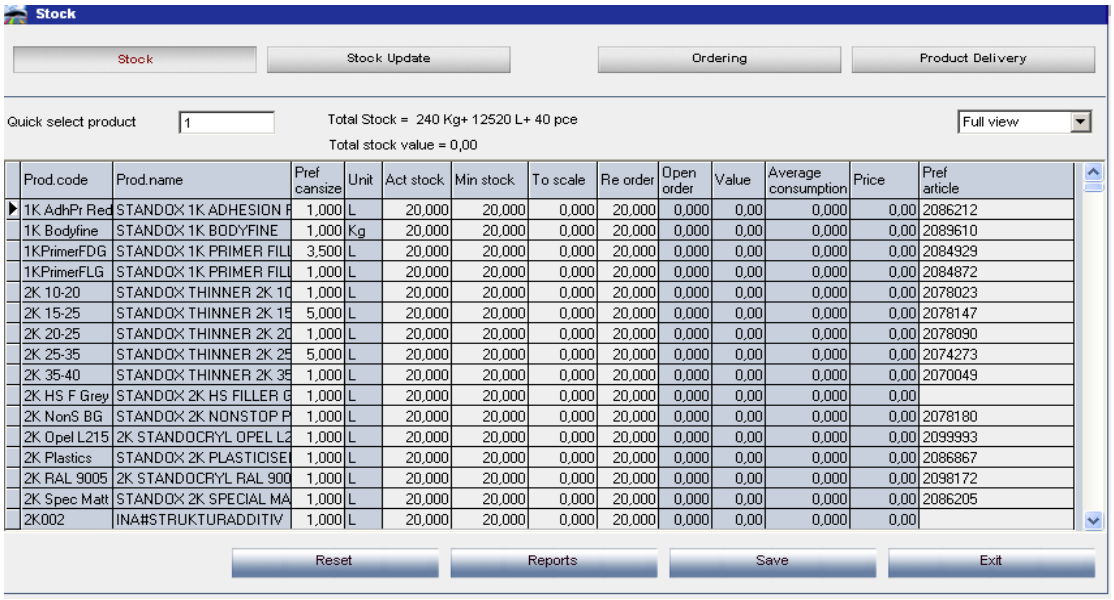


- In the Order Preview, the addresses are filled in and an order reference/comment of your choice can be entered. Click "Order Now" to continue. An order will be displayed and can be printed or stored as .pdf-documents (s. a. .pdf documents , p. 88).



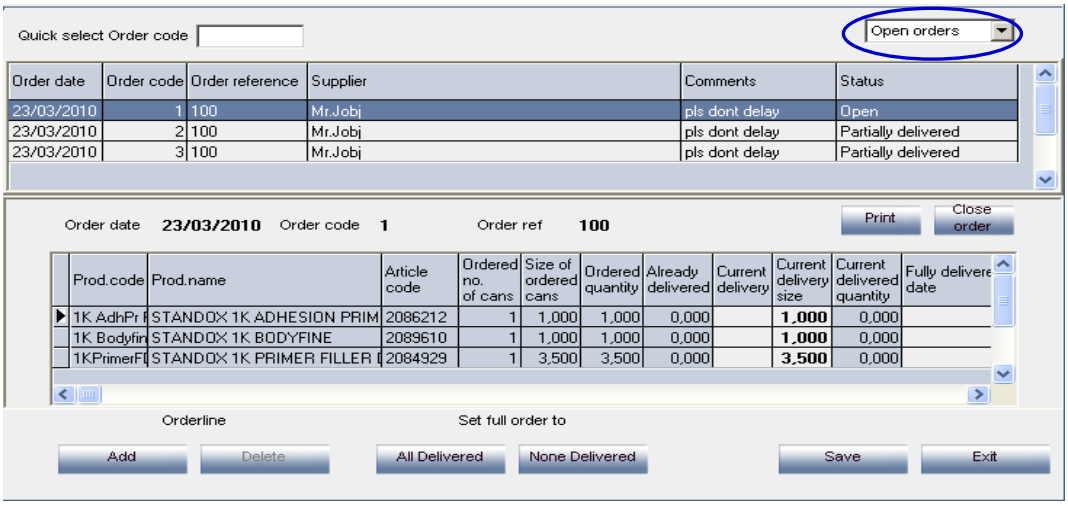
## Steps to follow for the order delivery:

- Open Stock Management/Product Delivery




| Prod.code | Prod.name | Pref cansize | Unit | Act stock | Min stock | To scale | Re order | Open order | Value | Average consumption | Price | Pref article |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1K AdhPr Red | STANDOX 1K ADHESION F | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2086212 |
| 1K Bodyfine | STANDOX 1K BODYFINE | 1,000 | Kg | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2089610 |
| 1KPrimerFDG | STANDOX 1K PRIMER FILL | 3,500 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2084929 |
| 1KPrimerFLG | STANDOX 1K PRIMER FILL | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2084872 |
| 2K 10-20 | STANDOX THINNER 2K 10 | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2078023 |
| 2K 15-25 | STANDOX THINNER 2K 15 | 5,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2078147 |
| 2K 20-25 | STANDOX THINNER 2K 20 | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2078090 |
| 2K 25-35 | STANDOX THINNER 2K 25 | 5,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2074273 |
| 2K 35-40 | STANDOX THINNER 2K 35 | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2070049 |
| 2K HS F Grey | STANDOX 2K HS FILLER G | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | |
| 2K NonS BG | STANDOX 2K NONSTOP P | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2078180 |
| 2K Opel L215 | 2K STANDOCRYL OPEL L2 | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2099993 |
| 2K Plastics | STANDOX 2K PLASTICISE | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2086867 |
| 2K RAL 9005 | 2K STANDOCRYL RAL 900 | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2098172 |
| 2K Spec Matt | STANDOX 2K SPECIAL MA | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2086205 |
| 2K002 | INA#STRUKTURADDITIV | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | |

- 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.



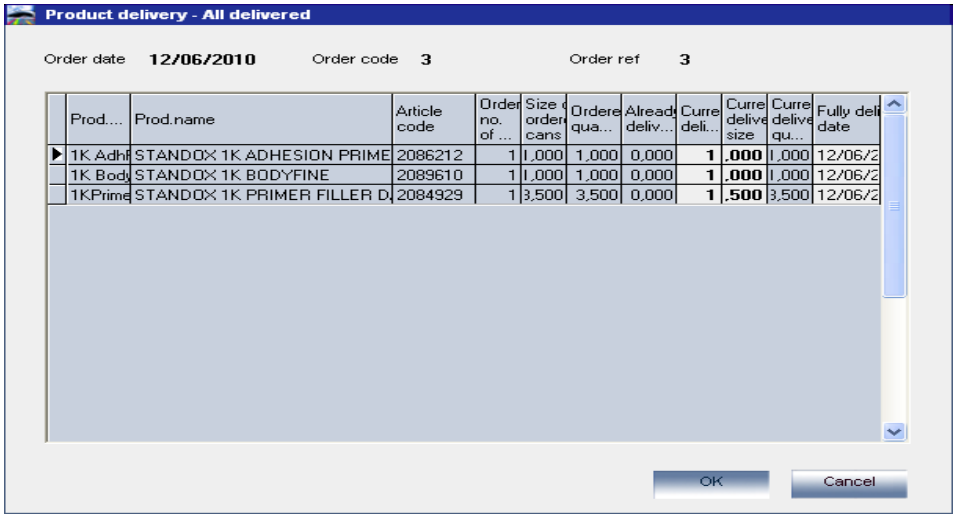

| Order date | Order code | Order reference | Supplier | Comments | Status |
|---|---|---|---|---|---|
| 23/03/2010 | 1 | 100 | Mr.Jobj | pls dont delay | Open |
| 23/03/2010 | 2 | 100 | Mr.Jobj | pls dont delay | Partially delivered |
| 23/03/2010 | 3 | 100 | Mr.Jobj | pls dont delay | Partially delivered |

| 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 delivere date |
|---|---|---|---|---|---|---|---|---|---|---|
| 1K AdhPr | STANDOX 1K ADHESION PRIM | 2086212 | 1 | 1,000 | 1,000 | 0,000 | | 1,000 | 0,000 | |
| 1K Bodyfin | STANDOX 1K BODYFINE | 2089610 | 1 | 1,000 | 1,000 | 0,000 | | 1,000 | 0,000 | |
| 1KPrimerF | STANDOX 1K PRIMER FILLER | 2084929 | 1 | 3,500 | 3,500 | 0,000 | | 3,500 | 0,000 | |

- 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.

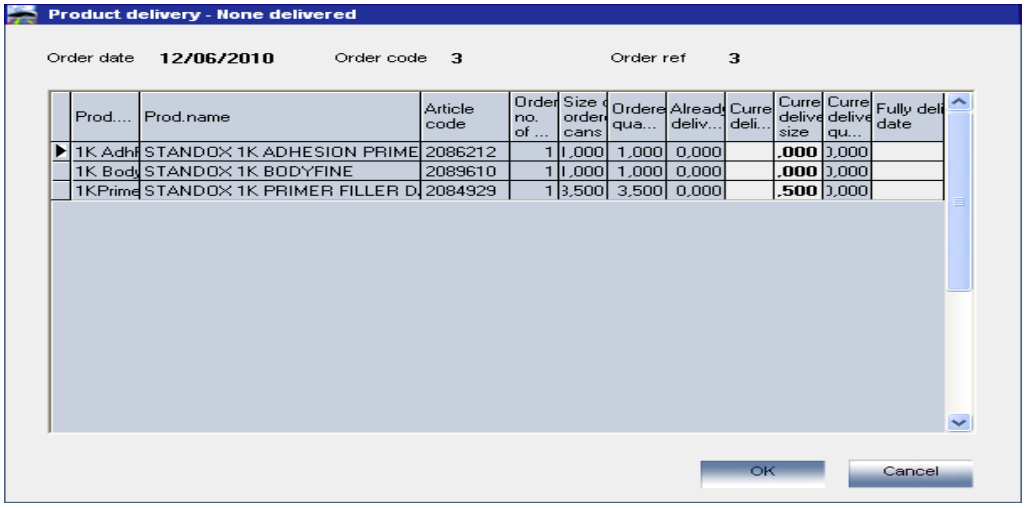



You can also "not deliver" or only "partially deliver" products. Just enter the correct amount in the "Current delivery" column and press ok (this is also valid if you want to enter a higher quantity then initially ordered).
For the products that are not fully delivered, there will be NO "Fully delivered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

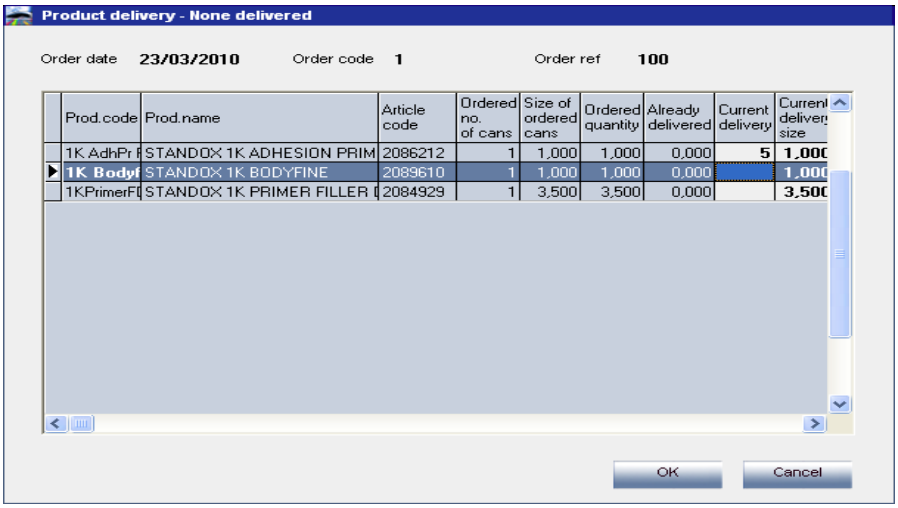
## None Delivered

Nothing will be filled in.



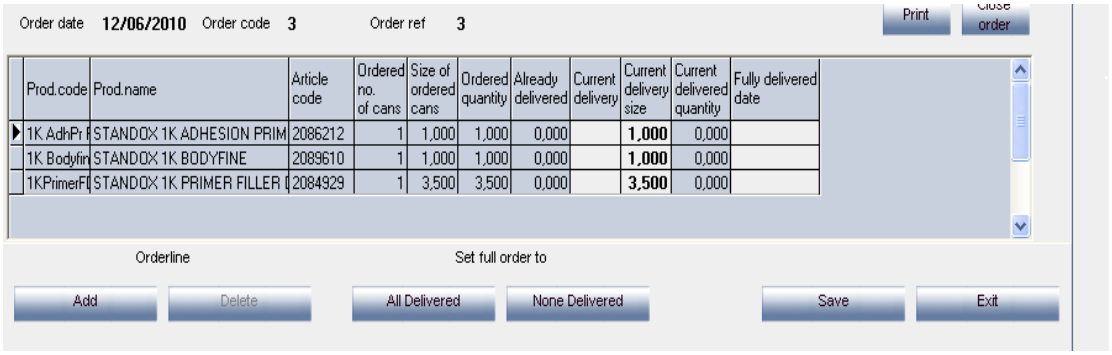

You can manually enter the amounts in the "Current delivery" field (including a higher quantity then initially ordered). For the products where the total amount is received, a "Fully delivered date" will be filled in. When done, press OK to continue.

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

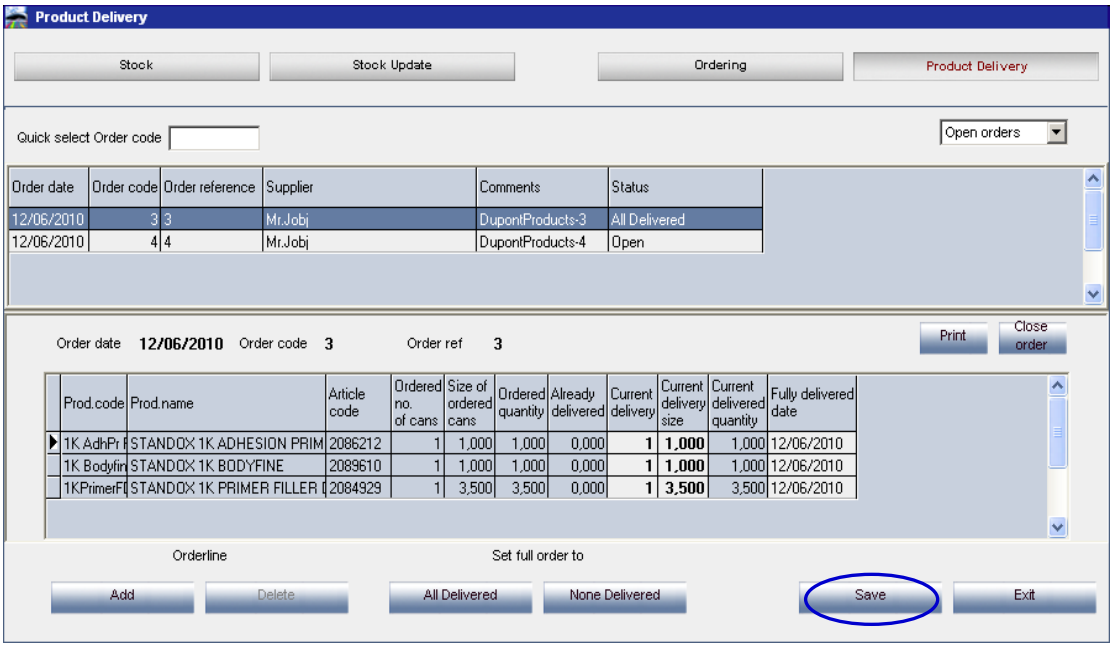



## Add

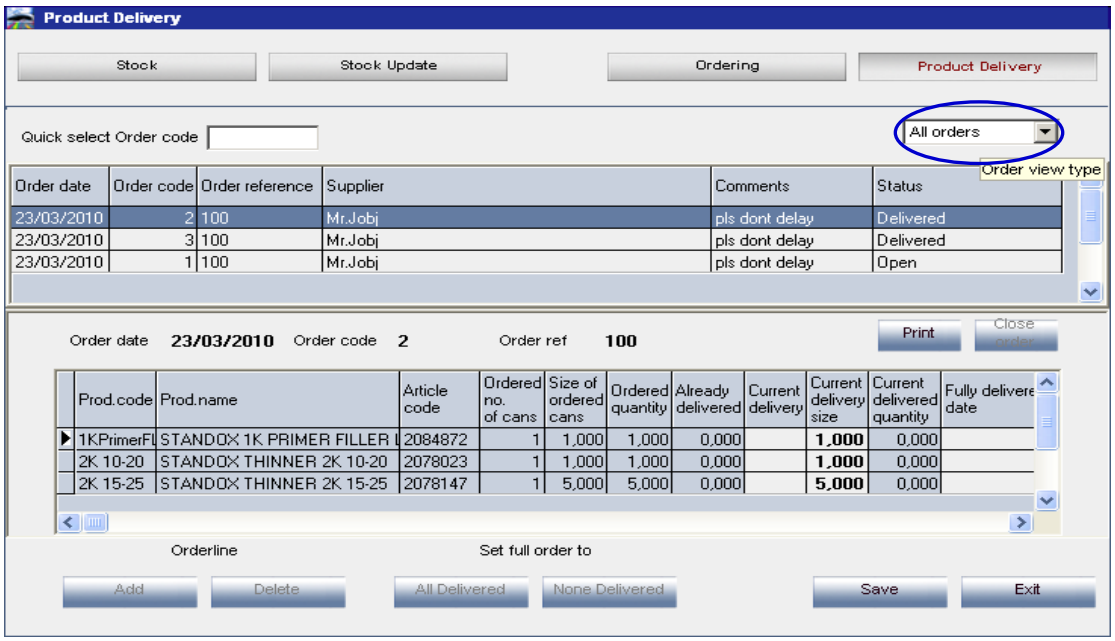
The "Add" button will allow you to add other products that were not in the original order. Once all products are in the list, you can again receive the orders via the "All delivered" or "None delivered" buttons.



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

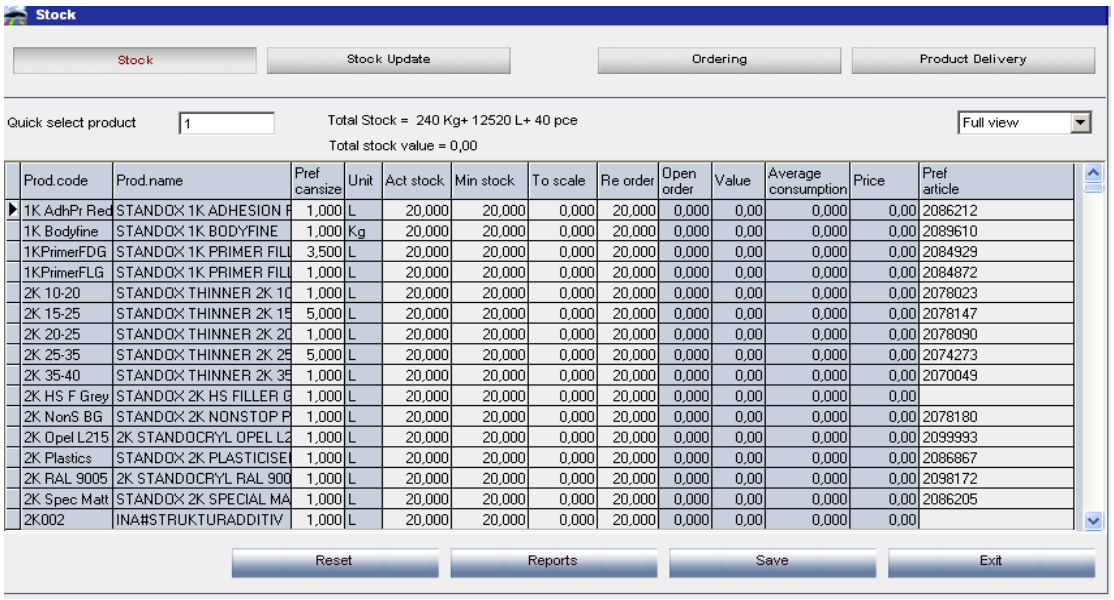



The status of the order will then go from “All delivered” to “Delivered”.
NOTE: an order that is in status “Delivered” can only be seen in the “All Orders” view.



### 5.4.5 Summary overview of all fields.

#### 5.4.5.1 Stock.

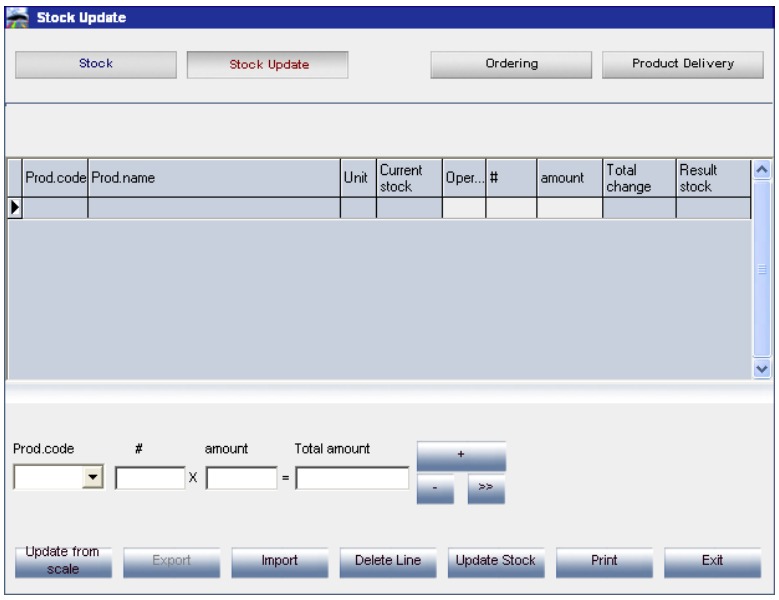



| Prod.code | Prod.name | Pref cansize | Unit | Act stock | Min stock | To scale | Re order | Open order | Value | Average consumption | Price | Pref article |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1K AdhPr Red | STANDOX 1K ADHESION F | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2086212 |
| 1K Bodyfine | STANDOX 1K BODYFINE | 1,000 | Kg | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2089610 |
| 1KPrimerFDG | STANDOX 1K PRIMER FILL | 3,500 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2084929 |
| 1KPrimerFLG | STANDOX 1K PRIMER FILL | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2084872 |
| 2K 10-20 | STANDOX THINNER 2K 10 | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2078023 |
| 2K 15-25 | STANDOX THINNER 2K 15 | 5,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2078147 |
| 2K 20-25 | STANDOX THINNER 2K 20 | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2078090 |
| 2K 25-35 | STANDOX THINNER 2K 25 | 5,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2074273 |
| 2K 35-40 | STANDOX THINNER 2K 35 | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2070049 |
| 2K HS F Grey | STANDOX 2K HS FILLER G | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | |
| 2K NonS BG | STANDOX 2K NONSTOP P | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2078180 |
| 2K Opel L215 | 2K STANDOCRYL OPEL L2 | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2099993 |
| 2K Plastics | STANDOX 2K PLASTICISEI | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2086867 |
| 2K RAL 9005 | 2K STANDOCRYL RAL 900 | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2098172 |
| 2K Spec Matt | STANDOX 2K SPECIAL MA | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | 2086205 |
| 2K002 | INA#STRUKTURADDITIV | 1,000 | L | 20,000 | 20,000 | 0,000 | 20,000 | 0,000 | 0,00 | 0,000 | 0,00 | |

| | |
|---|---|
| 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” |

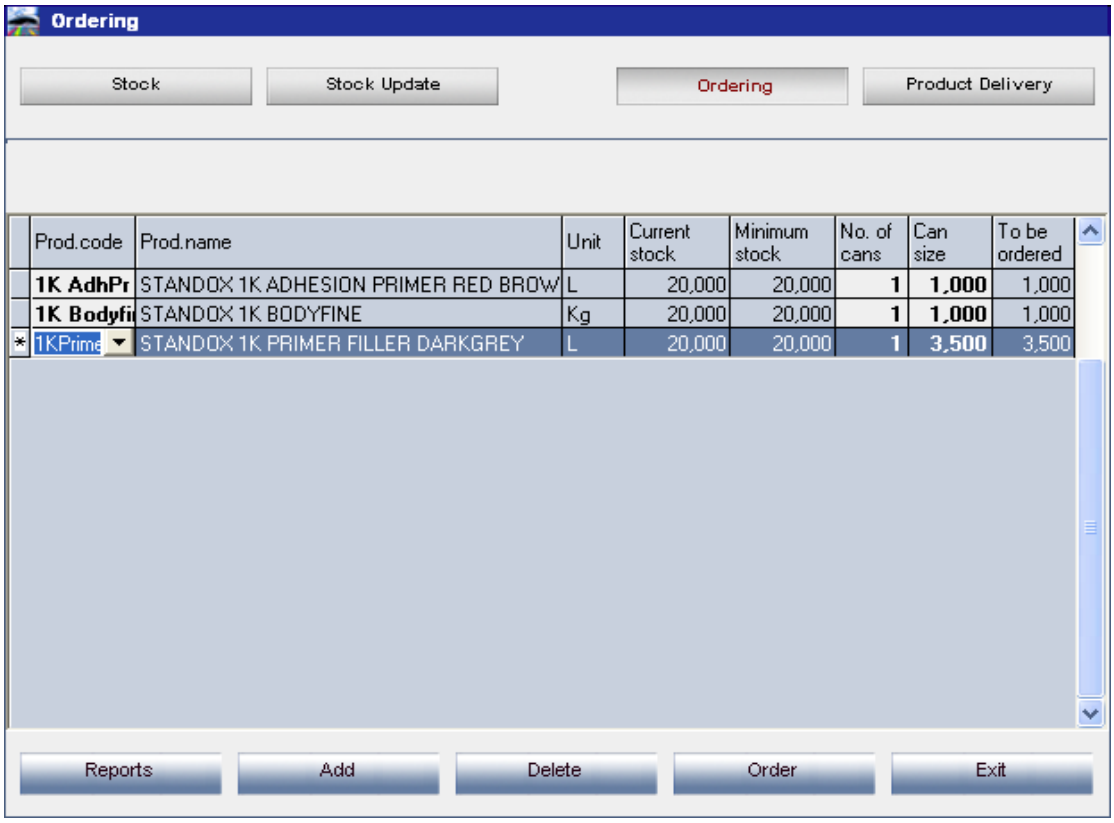
| | |
|---|---|
| Reports | Opens a window from where you can display a current stock report, print and/or save it as .pdf-document. |
| Save | Saves your changes. |
| Exit | Exit the stock module. |

### 5.4.5.2 Stock update.



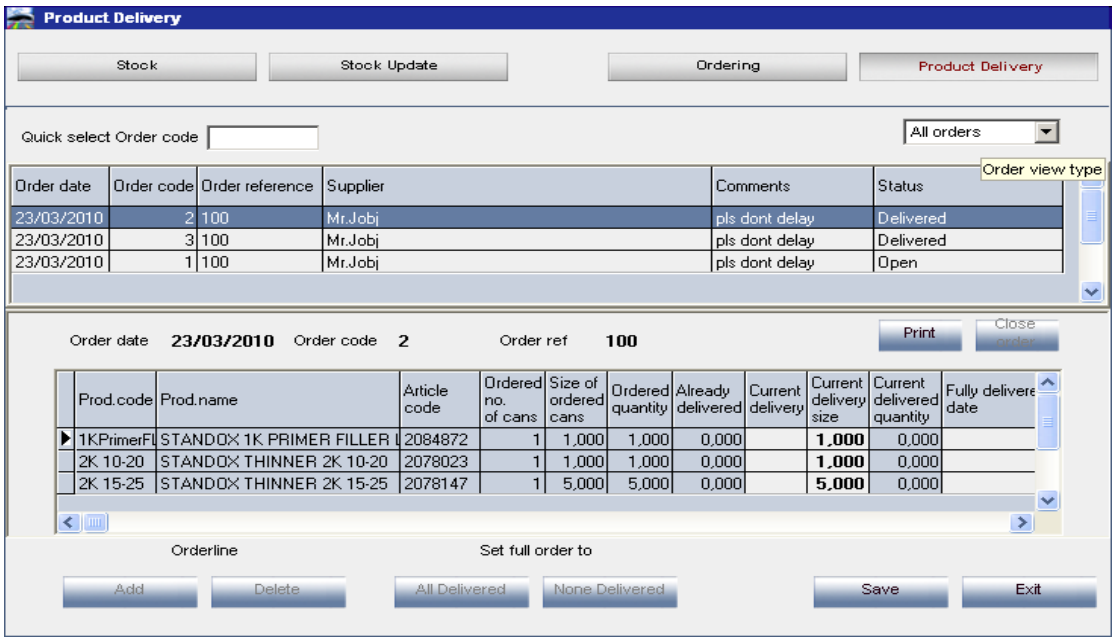

| | |
|---|---|
| Stock | Clicking on this button leads you to the stock screen |
| Stock update | Opens stock update, a new window will be opened |
| Ordering | Opens the Ordering system, a new window will be opened |
| Product delivery | Opens Product delivery, a new window will be opened |
| Prod. 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. |

### 5.4.5.3 Ordering.




| | |
|---|---|
| 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 |

### 5.4.5.4 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<br>and you wish to receive it) |
| Delete (order line) | Delete a product from the order (example: product will not come in anymore<br>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.<br>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 |

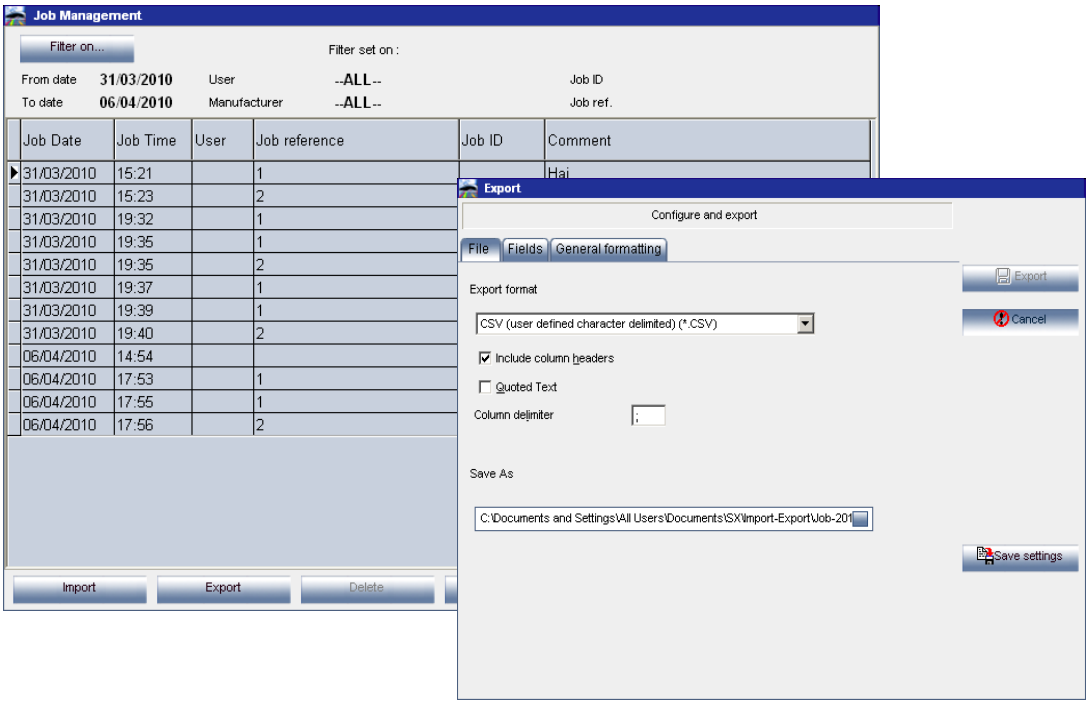
.

## 5.5 Job Maintenance.

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.

### 5.5.2 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".




### 5.5.3 Job import.

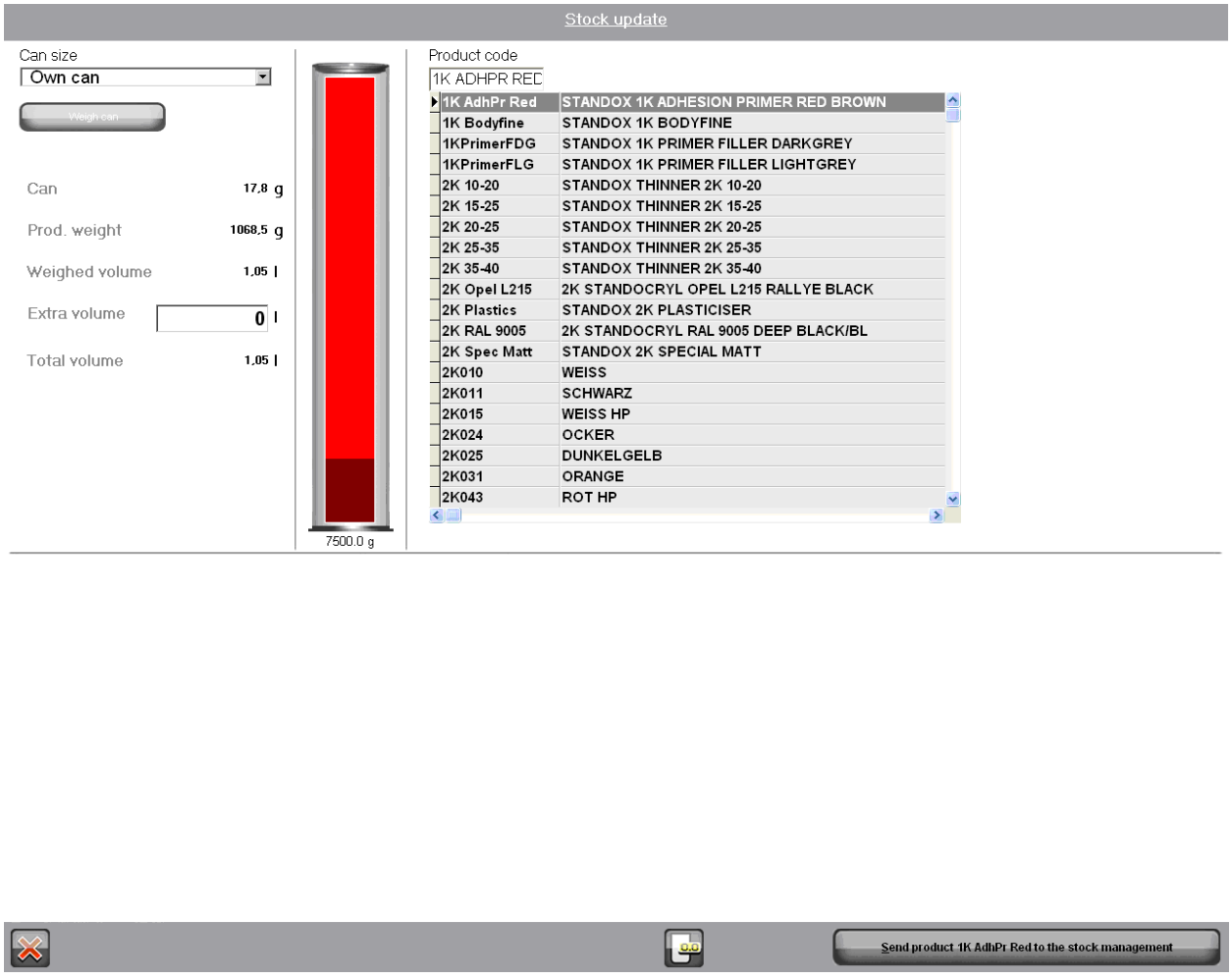
Jobs from another PC can be imported if the export file is in .ctc-format.

### 5.5.4 Stock update via weighing.

S. a. Update via weighing, p. 95.

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.



# 6 Appendix.

## 6.1 Manual Scale.

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 weight display, p. 18).

## 6.2 Installation of DocViewer.

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

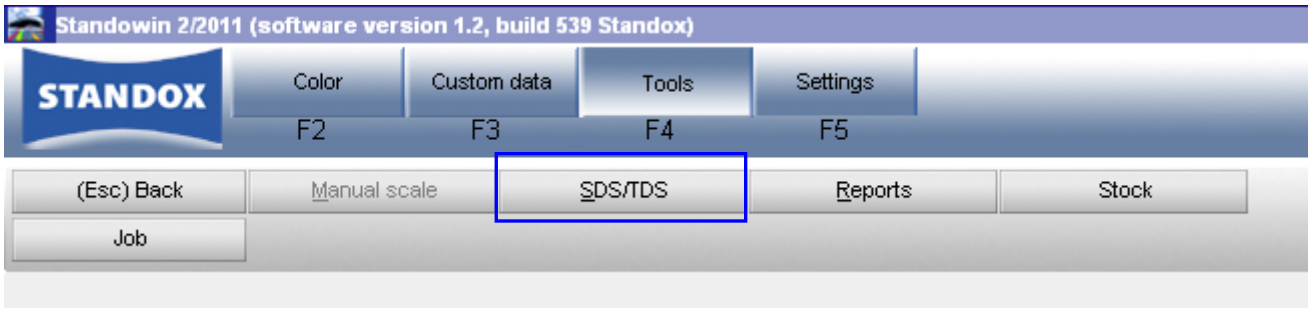
## 6.3 Transferring an individual country / language combination between PCs.

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.

### 6.3.1 Procedure

#### 6.3.1.1 On the PC with DVD drive

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

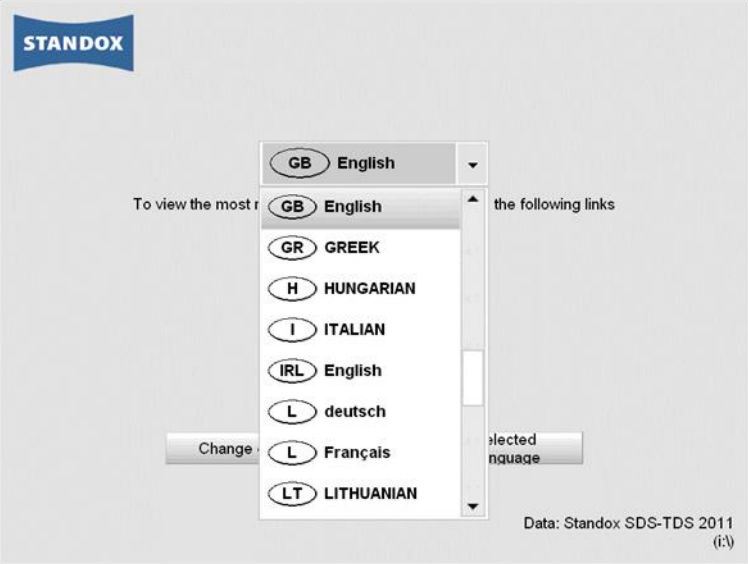



Open the DocViewer (either from Start - Programs or out of Standowin)

This screen opens

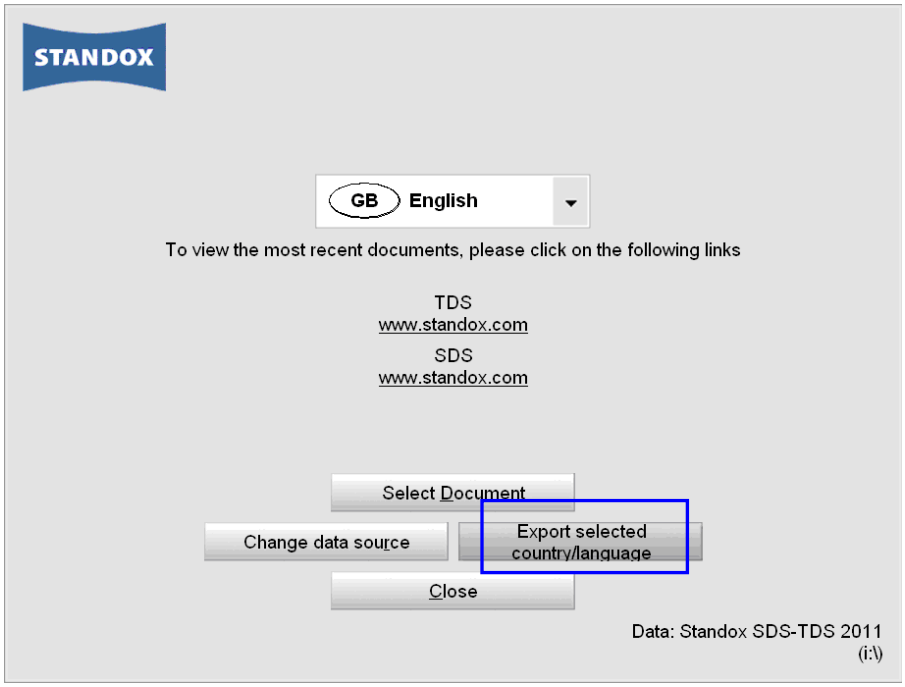
Click "No thanks".

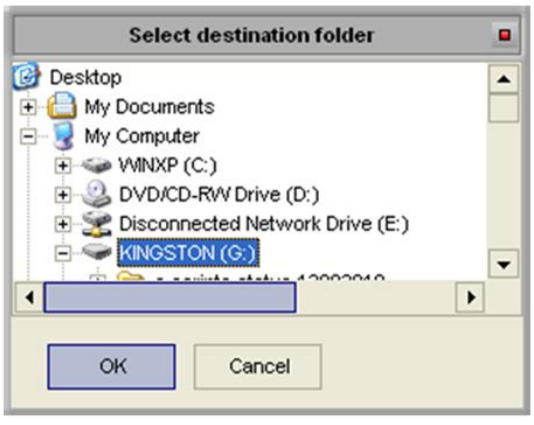
In the following screen you are asked to insert the CD (Standowin CD), select the drive from the dropdown.
This screen pops up:




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

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

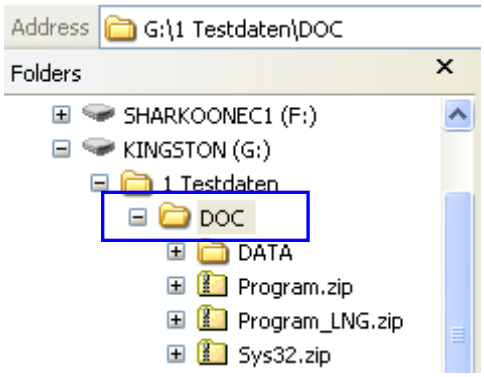



You will be asked for a destination, most likely you will select a USB-stick, but any other place is possible.

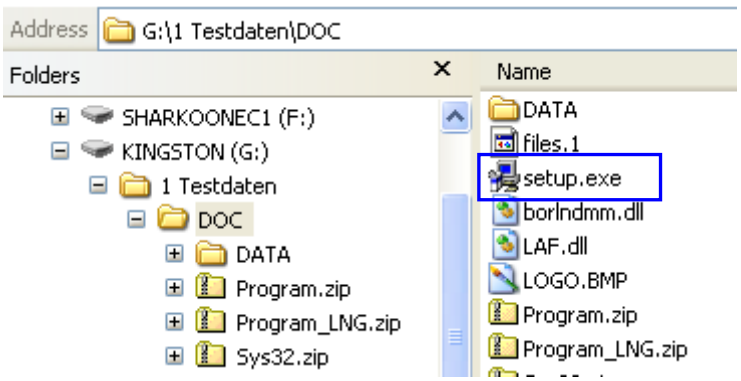
Press "Ok", the transfer takes some time

The exported folder is called "DOC":



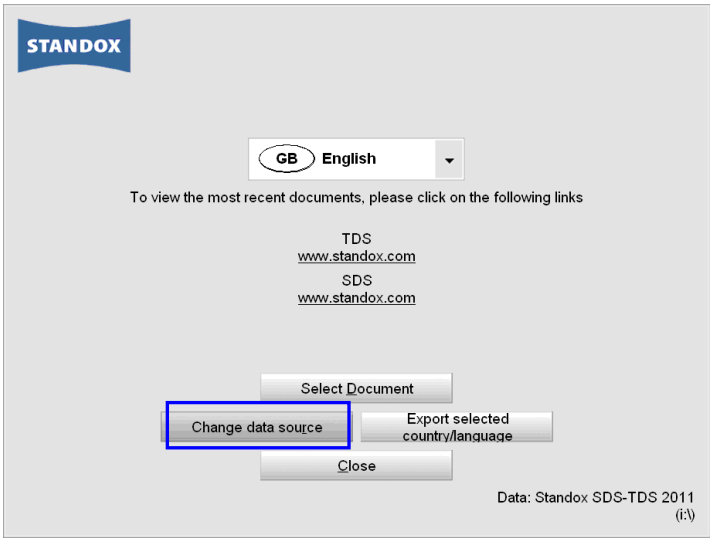

### 6.3.1.2 Procedure on other PCs (without DVD-drive)

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.




### 6.3.1.3 Retrieve documents

Open DocViewer (either from Start - Programs or out of Standowin).
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.

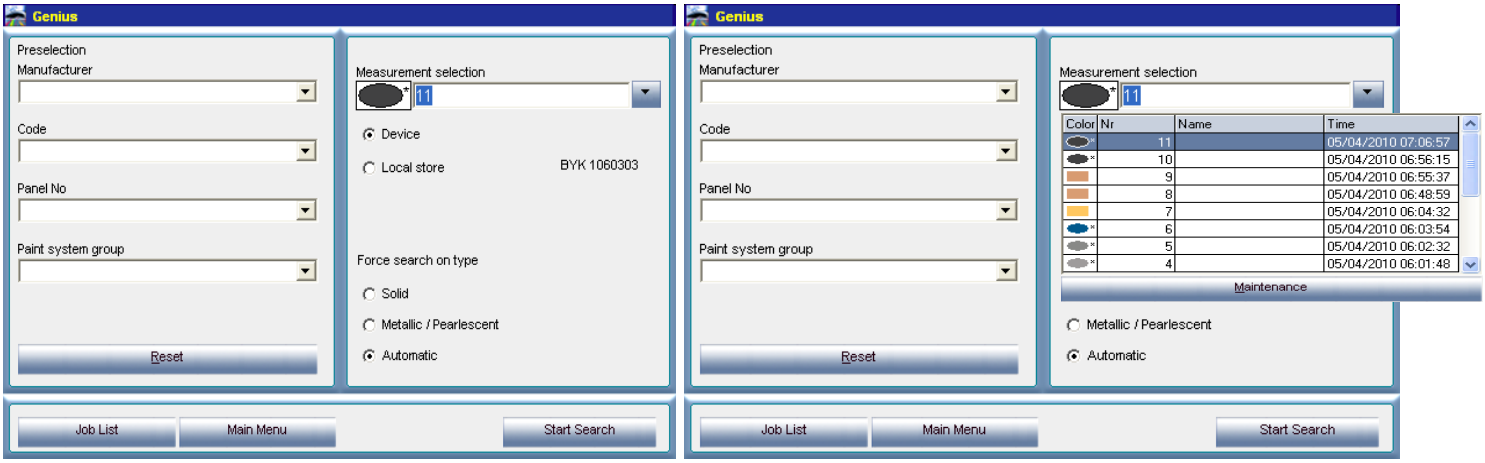


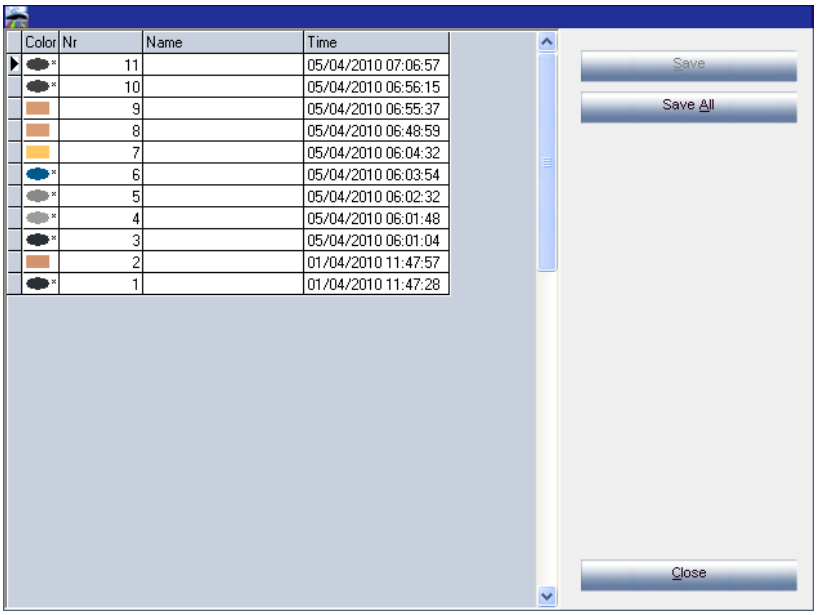
## 6.4 Genius: local store.

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.

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

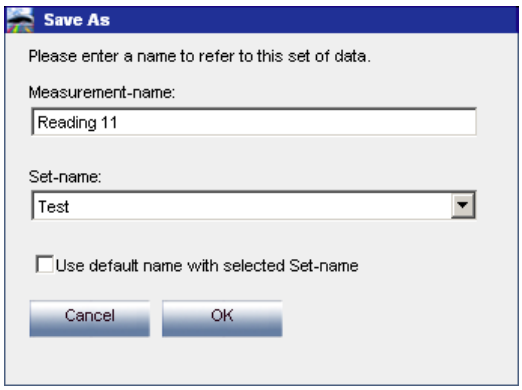
In the spectro menu appearing after the transfer of measurements, there will be two more options: "Device" and "Local store". Select "Device" and at the end of the list of measurements "Maintenance" to open the menu.
In this menu, you can save 1 or multiple measurements from the device to the local store.



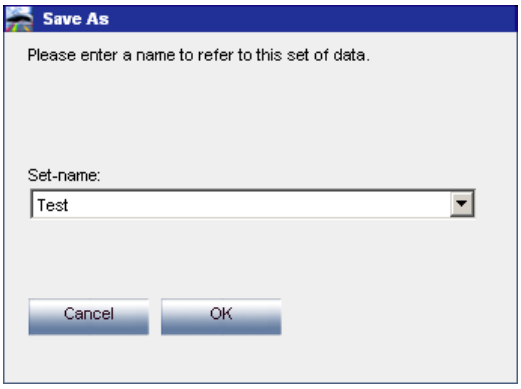




NOTE: the "Save" button becomes active, as soon as 1 or more items are selected. The "Save All" button is always active.

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.

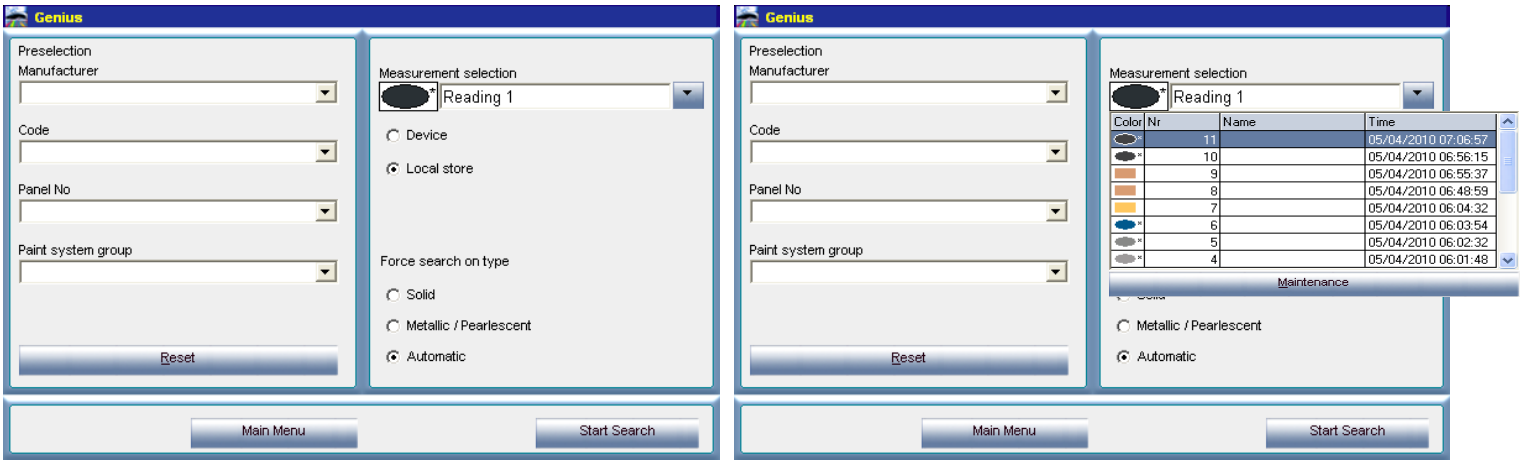


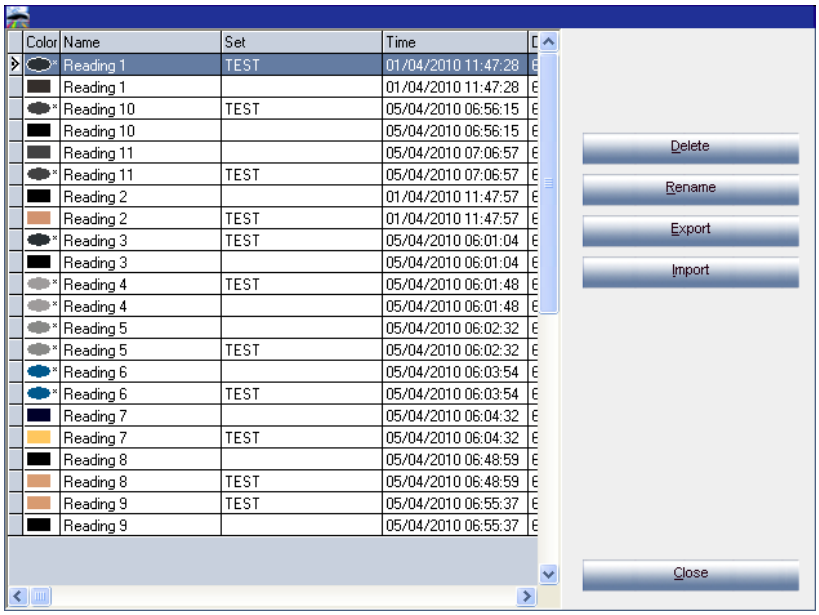

SAVE ALL = saves all measurements
Only possible to enter a “set-name”
No name per measurement



### 6.4.2 Edit/view your local store.

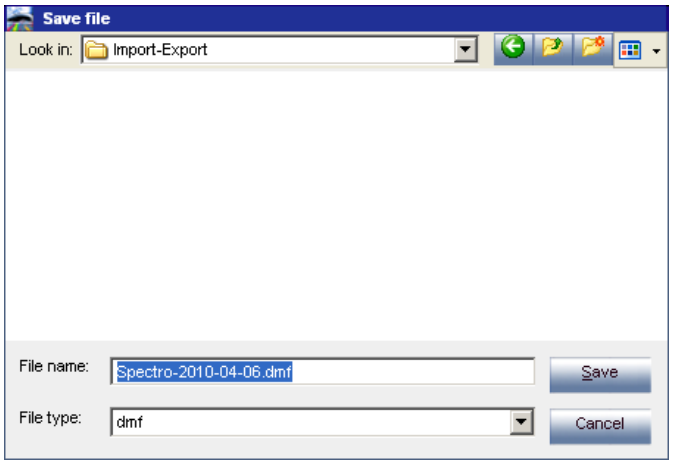
In the spectro menu, switch to “Local Store” and open the “Maintenance Menu”.
In the maintenance menu of the local store, you can: delete, rename, export or import measurements in the local store.



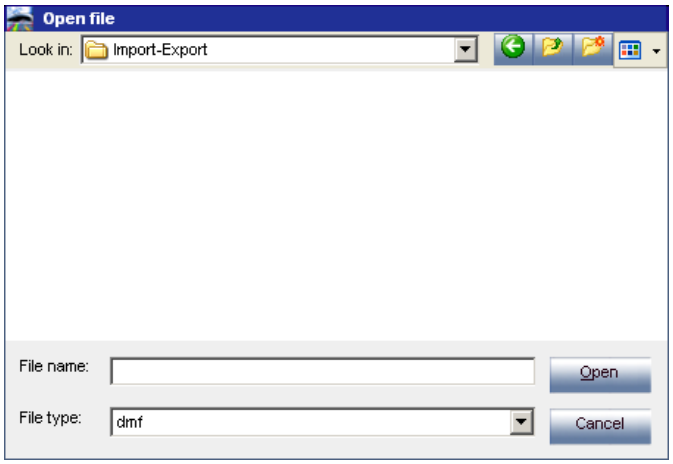
### 6.4.3 Export of measurements.

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




### 6.4.4 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".

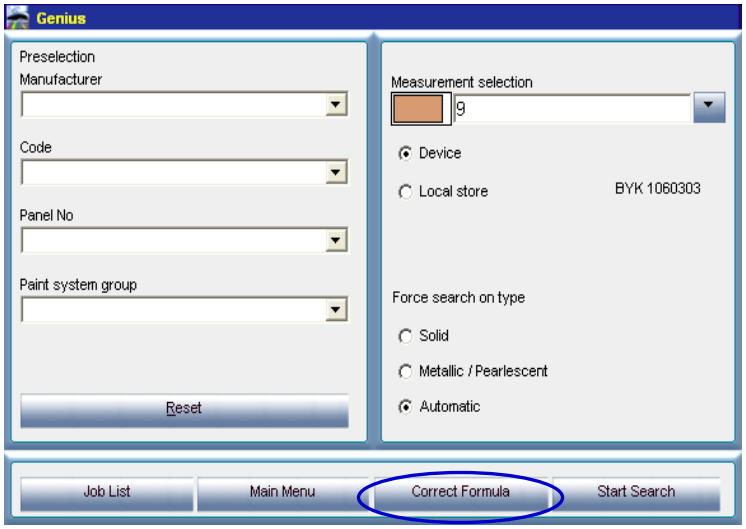


## 6.5 Genius: Correct formula (“Hit on hit”).

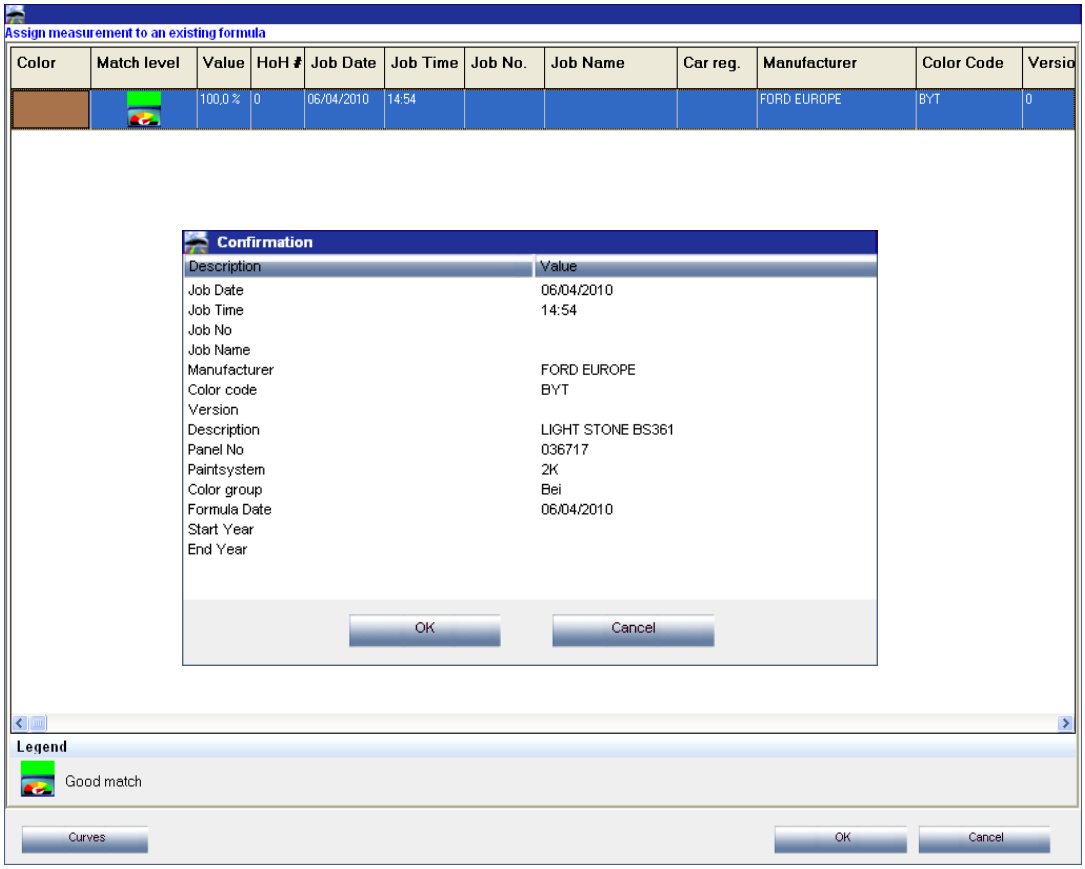
To be activated on the colour retrieval software via a script – not visible for everybody.

With this function it is possible to have the program correct a formula towards the result.

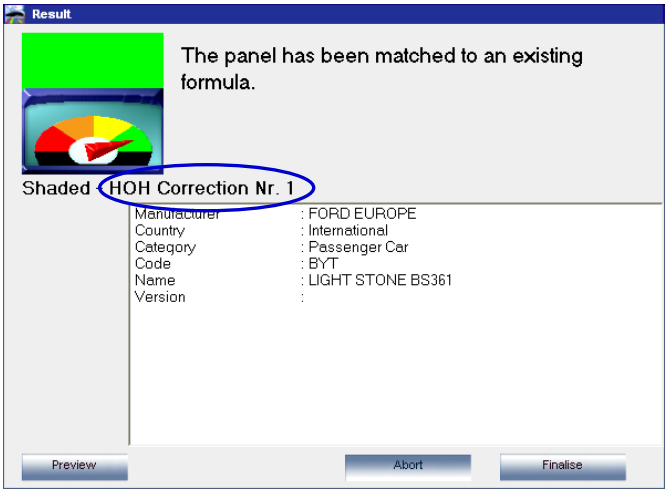
Select your measurement and have the formula calculated, weigh. As the function takes into account the actually weighed material, it can only work when the job has be sent to scale (incl. virtual scale) and actually been weighed.
Paint this sample and measure anew with the spectrophotometer.
Transfer the new measurement and click “Correct formula”.

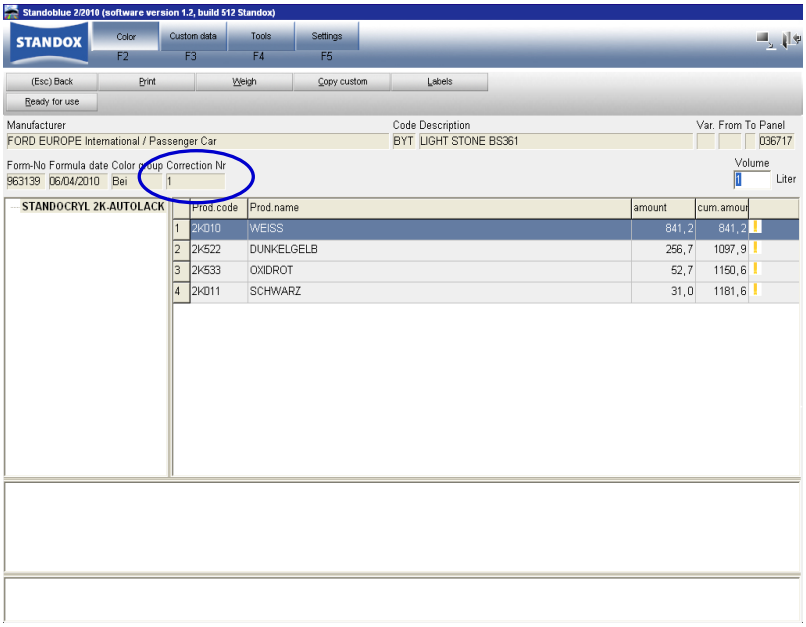



The program suggests jobs that fit the new measurement regarding its spectro values. Select the job that belongs to the measurement.



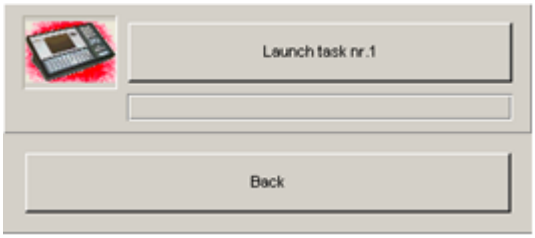
Based on this information – weighing data, spectro values of the target and spectro values of the formula calculated to match it – a new formula is calculated.



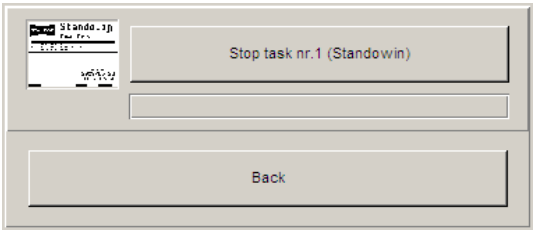




This procedure can be repeated numerous times. For economical reasons, it is not recommended to perform it more than twice.

## 6.6 How to start up the EcoMix terminal.




- Click on the EcoMix Manager icon on the desktop OR launch the program directly from C:\colortools\common\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:
- 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:
1. On the EcoMix terminal, select F9: Setup from the main menu
2. Go to EcoMix/Scale setup
3. 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.
4. Leave with SAVE and EXIT!
5. The EcoMix terminal will reboot itself to complete the configuration.

### 6.6.1 Functionalities in the tool.

#### 6.6.1.1 Search.

On the PC side
- Colors, p. 50., ff.
- Once a formula is found, it can be sent to the job queue of the EcoMix terminal.
- 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 send 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. 74) 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.

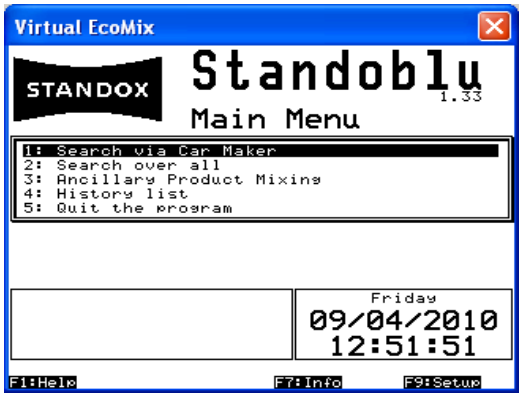
- The main advantage of this feature is that it is time saving for the user and it avoids mistakes that can be caused by selecting the wrong combinations.
-
- Select a job from the Job queue
- Select a job from the History list (already weighed jobs)

## General navigation on EcoMix screens:

| | |
|---|---|
| ENTER: | confirms and executes the highlighted expression OR – if applicable – opens a drop down list |
| ARROW UP / DOWN: | navigate through lists |
| Function keys: | execute the mentioned function |

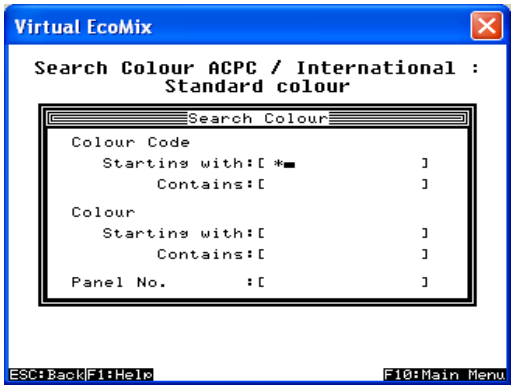
Example of search on the EcoMix terminal.

- Select the "Search via Car Maker" from the main screen of the EcoMix terminal.



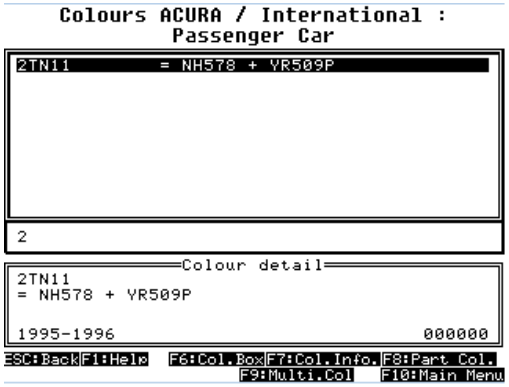

- Select a car maker from the list. By typing the first letters the cursor will jump to the most suitable entry in the list.

- In the following screen you can limit the search by entering the colour code (or parts of it) and / or the colour name (or parts of it) and / or the panel number.




- Select the code.
  If there are variants to a formula, they will be listed in this screen.

- Select the paint system on the following screen.
  After having pressed "enter", the formula will be displayed and can be processed further by use of the function keys.



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