General Information

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1. Introduction

Introducing GlobalMix – the revolutionary new software designed to take your industrial painting to the next level. With GlobalMix, users can have access to a database of thousands of colors for all major and international colors. Our advanced features and intuitive interface make it simple, clear, and comprehensive to hit the user's target.

2. Requirements

GlobalMix is designed to be user-friendly and accessible to everyone. As such, the PC requirements are standard and should be compatible with the most modern computers that use Windows as the operating system (windows 7 and above).

3. Features
   a. Parameters
   i.   Region
        Select the region from the parameters - General section, for utilizing the software's data that corresponds to your location.
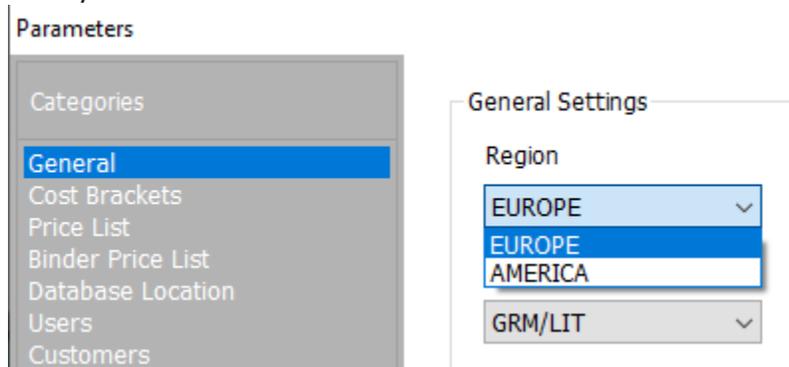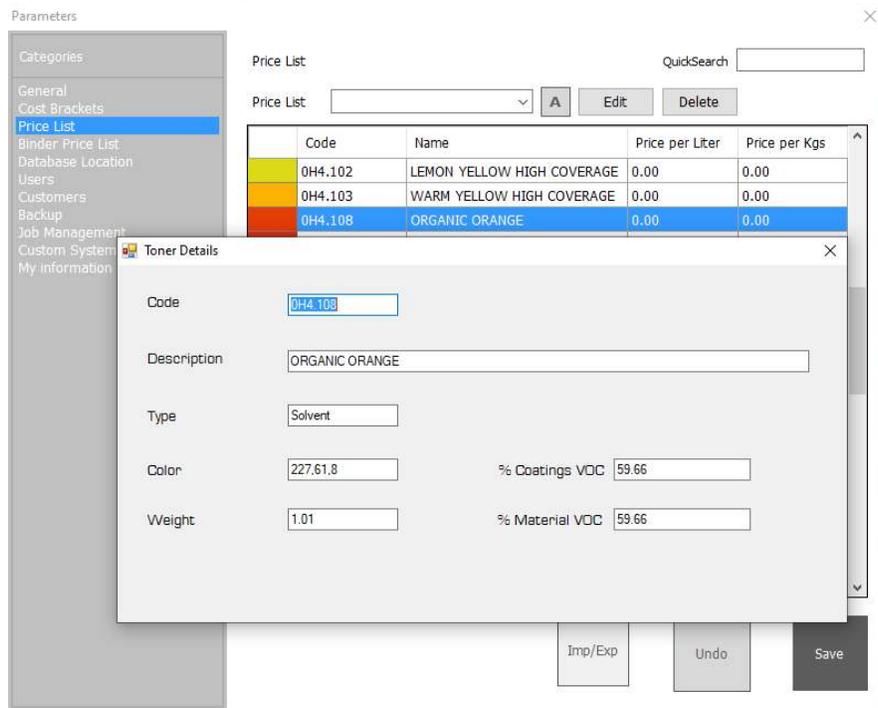

   ii. Price List
        - Ability to price the products (Toners, Hardeners, and Thinners) per liter, and the software will convert it in kg, and vice versa.

- Retrieve additional information for each product by double-clicking on any item. A popup will appear, displaying the supplementary details.

- Enable the import/export of prices using the 'Imp/Exp' button. The imported file must be in CSV format, with three columns and no header. The first column should represent the product (it should start with a quote), the second column should indicate the price in liters, and the third column should indicate the price in kilograms.
  You don't need to fill both the price in liters and in kilograms; only one is required.

- Create multiple price list is now available in GlobalMix software.
  - Add the name of the price list and save it.
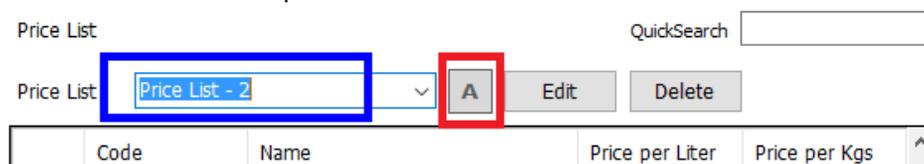
- Choose the price list you created from the dropdown, and start edit the price of the toners.

- Save the price list when you're done.

iii.   Binder Price List

- Based on the region selected (Europe or America), the Binder Price List page, displays all binders available.

- The binder price list is connected to the toner price list. This means that if you are working on the default price list for toners, the binder price list will be associated with the default price list. However, if you are working on 'price list – 2' for toners, the binder price list will be linked to that specific price list.

- User can add a price for each binder, the price can be per liter or per kgs. In both cases, the software will calculate the price of the opposite unit.
- Additional information for binders can be viewed (Binder Family, Type, Density, VOC, Binder Percentage), by double-clicking on the desired binder.

- Use the Imp/Exp button, to import or export binder prices.

iv.   My Information
- Shop Name: the user can enter his body shop's name. it can be viewed on the label.
- Discount: Allows the user to set a discount percentage on his price list. So, when it comes to formulation, the price displayed will be calculated based on the discount percentage entered in Parameters.
- Currency: by adding the currency's symbol, the price will appear on the invoice using the currency entered.

b. TDS

Users can now easily access the Technical Data Sheet (TDS) of all binders by clicking the "SDS TDS" button on the main screen.
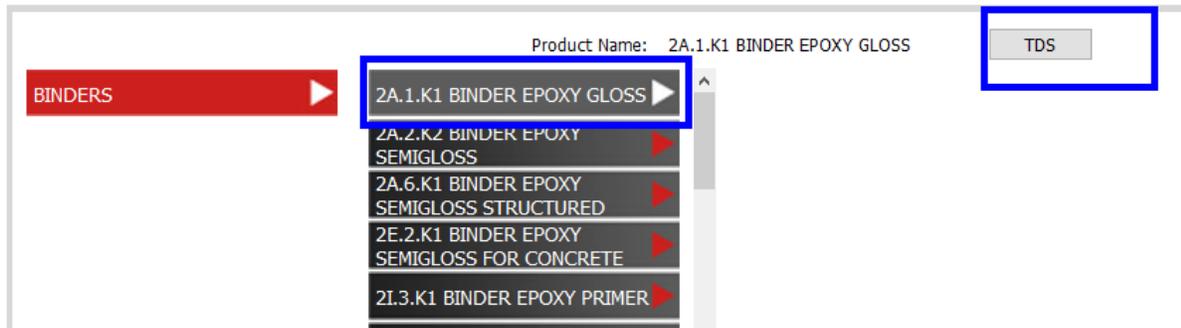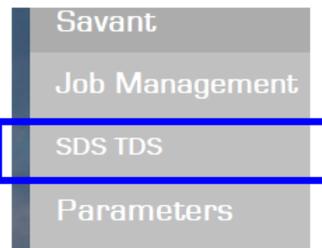
c. Mixing System
i. Search page
Search fields are various, user can search for color using different filters like make, code, description, color family, catalog, formula type, and customers.

Manufacturer	Code	Description
*	*	
Color Family	Type	☑ Include Original Formulas
*	*	☐ Include Custom Formulas
Colorbox		
*		

Search   Clear

ii. Search Result
Information such as digital color, manufacturer, code, description, color family, type, and colorbox details will be displayed on the search result page.

Digital Colors	Manufacturer	Code	Description	Color Family	Type
	RAL	RAL 130 80 50	RAL 130 80 50	GREEN	LEAD FREE
	RAL	RAL 200 60 10	RAL 200 60 10	GREEN	LEAD FREE

Color Box Info

RAL DESIGN D2

Search

< Back

iii. Formulation Page
Information related to the color is available at the top of the mixing system page. Fields are segmented based on the info's type.

Manufacturer	RAL	Liters	1.000	Tone		Sale Amount	26.29	... Type: PB
Color Code	RAL.1003	Kgs	1.5353	M. VOC		Sale Discount[%]		
Color Description	GIALLO SEGNALE			VOC	345.8 grams/liter	Net Amount	26.29	

iv. Sale Discount
Ability to adjust the discount value added in the parameters section, by removing, increasing, or decreasing the sale discount percentage.

v. Sale Amount
The Sale Amount refers to the total amount of binders and toners, based on the price list added by the user.

vi. Net Amount
The Net Amount refers to the final amount after discounts.

Sale Amount	46.78	...
Sale Discount	13	
Net Amount	40.7	

v.   3 Dots Button

vi.   By clicking on this button, you will be able to check the price of the selected formulation in all price lists created in parameters.

Sale Amount	27.43	...
Sale Discount(%)		
Net Amount	27.43	

Prices

Price List	Price
Price List - 1	9.9
Price List - 2	9.29
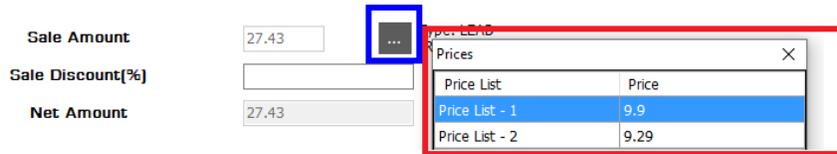
vii.   Select Binder

After selecting a color code, the software will show you a list of all binders that can be mixed with the toners related to the selected color. By moving the mouse pointer to a binder's code, the binder's name will appear.

Available Paint Lines:

- 3G.1.K3
- 3G.3.K5
- 4G.5.K2
- 5E.1.K1
- 5J.1.K1
- 6B.1.K1
- 6B.4.K1   HIGH GLOSS DTM INDUSTRIAL POLYURETHANE - 2K
- 6B.6.K1
- 6C.1.K2
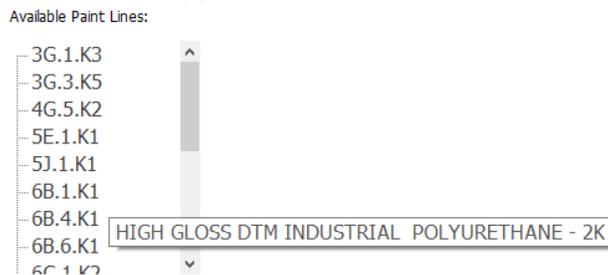
viii.   Coverage Notification

When the formula doesn't have a sufficient covering capacity, GlobalMix alerts you by a popup notification, if you want to keep using the binder's ratio or increase coverage.

You can always change the ratio, and recalculate your formulation, using the "Eco Adjust" button.

Choose the Coverage

Version is available for applications on surfaces that require greater coverage

Continue with standard ratio of coverage

Increase coverage
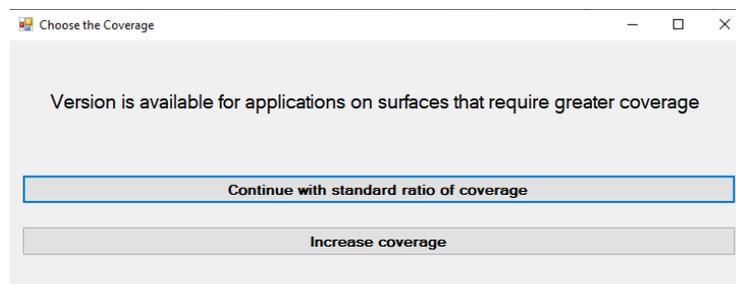
Code	Description	Quantity	Qty Cumulative
5E.1.K1	BINDER ACRYLIC 2K GLOSS - 2K	804.15	804.15
0H4.130	WHITE	294.47	1098.62
0H4.028	BLACK	24.12	1122.74
0H4.125	OCHRE YELLOW	16.85	1139.59
0H4.134	PHTALO BLUE	9.19	1148.78

ix.   After selecting the binder, a 'TDS' button will appear on the right side of the screen. This
        button allows you to view the technical data sheet related to the selected binder.

x.   Eco
        This feature allows users to modify the pigmentation ratio; if the ratio is decreased, the cost
        of the recipe is lowered, and if it is increased, the covering capacity of the color is improved.
        Each binder has a minimum and maximum variation but that is not binding, however, they
        are mentioned on the screen as additional information.
        Once saved, the formulation will be recalculated based on the binder's ratio selected by the
        user.
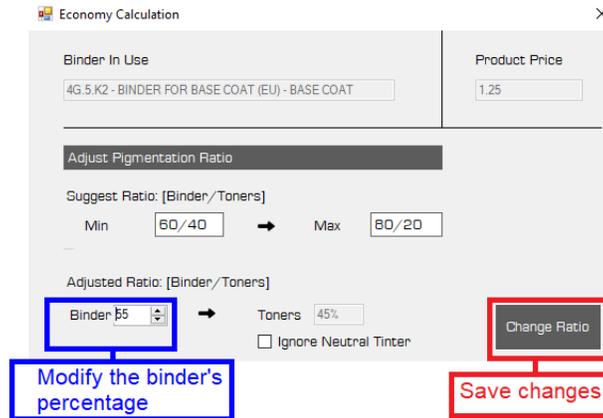
xi.   Neutral
        Some Colors have in their formulations the Neutral Toner. The user is allowed to remove or
        keep this toner, by ticking/unticking the ignore checkbox in the "Eco Adjust" option.
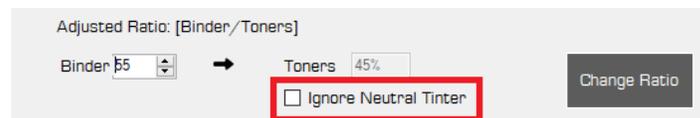
xii.   Copy to Custom Formula
        The user can always copy any formulation to the Custom System module, so he can modify
        it, by clicking on the "Copy" button available at the bottom left of the page.

d. Custom System
In the Custom System module, you can create a color from scratch, add binder(s) and toner(s), change the ratio, and send it back to the mixing system to view the formulation.

i. General Information
You can add/modify some general information related to the color from the Edit button.

ii. Assign to a customer
The user can assign a custom formulation to a specific client by selecting the client's name from the customer dropdown. Clients should be created first in the Parameters => Customers section.

When searching for a custom formulation in the mixing system, check the 'Include custom formulas' box. A new search field related to customers will appear, allowing you to search for custom formulations related to a specific customer.

iii.   Manage Binders
The user is allowed to mix the color with different binders, as he can also modify the current binder and neutral toner percentage.

- To modify, the user should select the binder first, then click on the Edit button, however for adding a new one, the user should click on the Add button.

Binder	Binder Wei...	Neutral W...	Comments	Date of Creation	VOC
3G.1.K3	80	5			0

Add   Delete   Edit

- Add new binder: Click on Add button, and a new popup appears asking you to select the new binder and the binder weight.
  Also, you can add the Neutral toner, by adding weight in the Neutral Toner Weight field. If you don't need to add the Neutral toner, keep it as zero.

Paint Line   ✕

Binder   7D.1.K1 (HIGH GLOSS FAST AIR DRY ALKYD - 1I ⌄ ── **Select Binder from dropdown**

Binder Base   80

Binder Weight   80   ── **Add Binder Weight**

Neutral toner weight   0   ── **Add Neutral Weight.**

Comments

Save

- Modify an existing binder: Simply click on the binder you want to modify, then click Edit and change the needed values.

P.S: The weight of the 1st added binder affects the toner's percentage. otherwise, any other added binder, will not change the toner percentages.

iv.   Manage toners
The user can add or edit toners to his custom formulation by clicking on Add, to add a new toner, or by clicking on Edit, to change the weight of a toner.

Add New   -   **Modify**
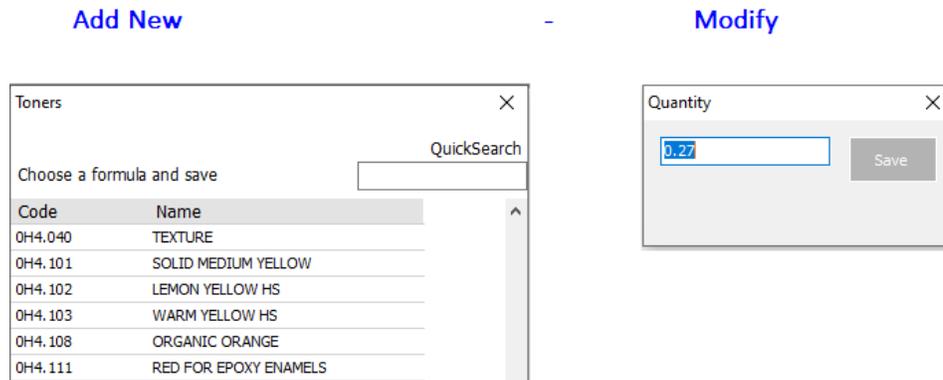
P.S: Changing the weight of the toner, affects the 1st selected binder's percentage.

Example:

The example below, shows you how changing the binder weight can change the toner's percentage:

Product	Weight
5E.1.K1 (Binder)	815.63
0H4.028	1.21
0H4.125	2.64
0H4.130	345.59
0H4.126	0.12
SUM	**1165.19**

➢ The binder percentage in the above formula is: 70% (fx: (815.63/1165.19)*100)
➢ However, the weight of the toners is:

Toners	Weight
0H4.028	0.103845725
0H4.125	0.22657249
0H4.130	29.6595405
0H4.126	0.01029875

➢ The Total Sum of the binder and toners should be 100. So now, if I want to modify the binder weight to 90, it means the sum of all toners should be 10. And since we only modified the binder weight, the actual total is 120, as below table figure out:

Product	Weight
5E.1.K1 (Binder)	90
0H4.028	0.103845725
0H4.125	0.22657249
0H4.130	29.6595405
0H4.126	0.01029875
SUM	**120**

➢ The last step is to convert the 120 to 100, for example, to calculate the final binder weight (fx: (90*120)/100), the result will be 75. The calculation of the rest of the toners is the same, and here are the final percentages:

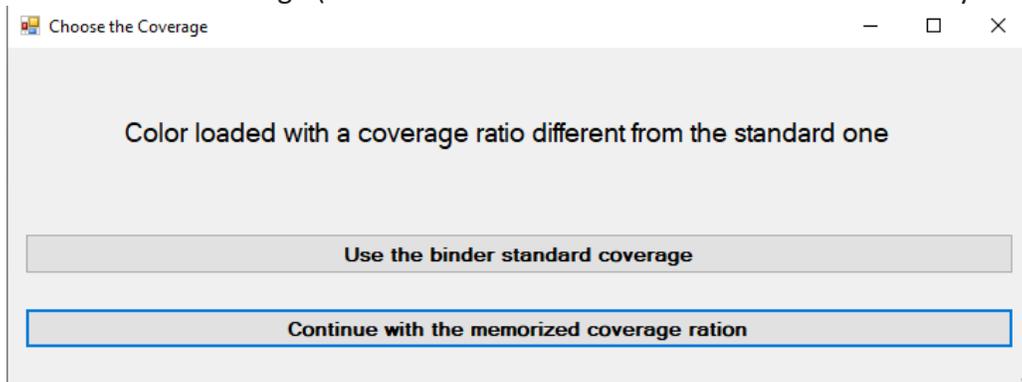| Product	Weight
5E.1.K1 (Binder)	75
0H4.028	0.086537918
0H4.125	0.188810003
0H4.130	24.71623072
0H4.126	0.008582273
SUM	**120**

v.   Moving from Custom System to Mixing System.
- The user can see his custom formulation in the mixing system by searching for it in the mixing search

And tick on the "Include custom Formulas" checkbox.

☐ Include Original Formulas

☑ Include Custom Formulas

- Once you select the binder in the mixing system, the software asks you if you want to display the formulation using the standard coverage (the one from the database), or the memorized coverage (the one that the user customized in the custom system)

Choose the Coverage — ☐ ✕

Color loaded with a coverage ratio different from the standard one

Use the binder standard coverage

Continue with the memorized coverage ration

- The formulation will be displayed after the user's selection.
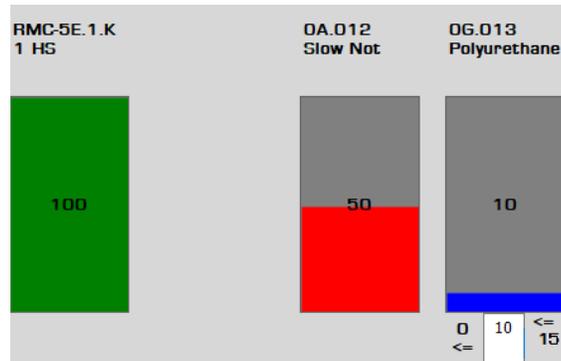
e. Ready To Spray
i.   Based on the binder chosen in the mixing system, the user can send his formulation to the Ready to Spray section.

Jobs

RTS

TDS
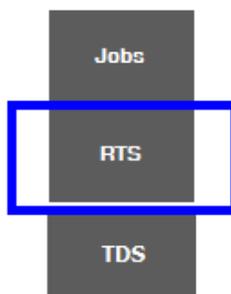
ii. In Ready to Spray, the user can add hardeners and thinners to his formulation
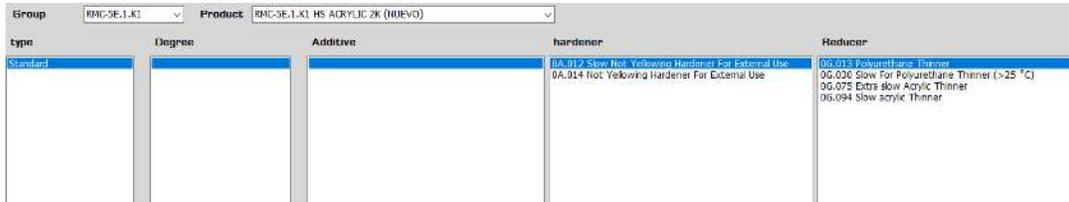

iii. After selection, the user can check the hardener ratio, modify the thinner ratio in some cases, view the VOC, and calculate the weight of the whole formulation (Binder + Toners + Hardener + Thinner)

Code	Description	Quantity	Qty Cumulative
0H4.028	BLACK	1.21	1.21
0H4.125	OCHRE YELLOW	2.64	3.85
0H4.130	WHITE	345.59	349.44
0H4.126	BLUE	0.12	349.56
5E.1.K1	HS ACRYLIC 2K (NUEVO) - 2K	815.63	1165.19
0A.012	Slow Not Yellowing Hardener For External Use	483.00	1648.19
0G.013	Polyurethane Thinner	89.60	1737.79

iv. In Ready to Spray, the user can also view the TDS (Technical Data Sheet) related to the binder chosen before.
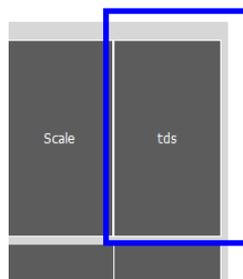
v.   The price of the mix, including the hardener and reducer selected in Ready to Spray will be displayed too.

Sale Amount	1.3	...
Discount	0 %	
Net Amount	1.3	

f. Savant

In Savant, the user is able to read a color using a spectrophotometer (for example MA-3 Topaz), and match it with our database.

This action can be made from 2 features:

- Quick Search (For a quick result search)
- Savant Jobs (Storing jobs and using matches)

Savant

Steps

1) Please Measure the color you wish to

2) Machine should be connected through USB

3) Download Measurement

Download Data

4. Contact information

For more information or comments, please do not hesitate to contact the General Paint Software support team by email at support.it@generalpaint.biz
Or by phone at +961 9 925 990
We are available from 8:00AM (GMT) to 6:00PM (GMT).