



HyMix help

HyMax Automotive Refinish

info@hymax.biz



I. Cover



II. Parameters

1. Click on Parameters
2. Select Language
3. Select country
4. Choose litres or quarts
5. Save
6. Close program and reopen, this will now be in the language and country selected.

Parameters

Categories

- General
- Cost Brackets
- Costs
- Database Location
- Shortcuts
- Users
- Customers
- Backup
- Job Management
- Custom System

General Settings

Country:

Languages: Enable 2 decimals

VOC:

Unit of Volume:

Weight Unit:

Spectrophotometer Model


Model:

Port:

Scale

Scale Type:

Scale Port:





III. Mixing System

Click on mixing system to view this screen.

The features of colour search include a more extensive search routine such as searching by year, colour family, description, panel no, car models, code as well as type of finish (underhood, Interior etc)

All search criteria are open. You can select whether you want the specific string to be "contained in" the search field or "starts with" in search field.

You can also toggle for the search between original database and personal customer formulations database (custom formula)



IV. Color Selector

Colour selector screen is where the colour search takes you, from where you select the formula that you want to choose from.

The screenshot shows the 'Mixing System' application window. At the top left is the HYMAX logo. Below it is a table with the following columns: Digital Colors, Manufacturer, Code, Description, Year, and Color Family. The table contains four rows of data for Mercedes and Mercedes Trucks. Below the table are several navigation tabs: Alternative Description, Details, Alternative Codes, and Models. At the bottom, there is a horizontal menu with various options including Formula Comparison, Digital Color Display, Underhood, Underhood Of, Multicoat, Interior, Interior Of, Multitone, Plastic Part, Plastic Part Of, Wheels Color, and Wheels Color Of.

Digital Colors	Manufacturer	Code	Description	Year	Color Family
	MERCEDES	744	BRILLANTSILBER-MET.	91-19	GREY MET
	MERCEDES	9744	BRILLANTSILBER-MET.	91-19	GREY MET
	MERCEDES TRUCKS	744	BRILLANTSILBER-MET.	90-01	GREY MET
	MERCEDES TRUCKS	9744	BRILLANTSILBER-MET.	90-01	GREY MET



IV. Color Selector Color Box Information

If there is a colour swatch contained within the colour box system, Information will appear here to direct you to the correct swatch.

Information

Vehicle Make: MERCEDES Color Description: BRILLANTSILBER-MET.
 Color Code: 744 Year: 1991 - 2019 Color Family: GREY MET

Panel no.	Region	Tone	Color Box 2003	Color Box 2010	Popularity
21205			MERCEDES 2 MER.744	MERCEDES 2 MER.744	<input type="checkbox"/>
41100		LIGHTER		MERCEDES 2 MER.744 --- VARIANT: L	<input type="checkbox"/>
44175		LIGHTER+	MERCEDES 2 MER.744 --- VARIANT: L+	MERCEDES 2 MER.744 --- VARIANT: L+	<input type="checkbox"/>
41099		YELLOWER	MERCEDES 2 MER.744 --- VARIANT: Y	MERCEDES 2 MER.744 --- VARIANT: Y	<input type="checkbox"/>
A5543		BLUER			<input type="checkbox"/>
D0307		COARSER			<input type="checkbox"/>
B8960		DARKER+			<input type="checkbox"/>
C4762		GREYER			<input type="checkbox"/>
C3740		GREYER+			<input type="checkbox"/>

Alternative Descriptions: ARGENT ADAMANTIN-MET., ARGENTO BRILLANTE-MET., BRILJANTZILVER-MET., BRILLANT SILVER-MET., BRILLIANT SILVER-MET.
 Details: Effect
 Models: 190, A-KLASSE, C SPORTCOUPE, C-KLASSE, CITAN
 Alternative Codes: 9744



V. Digital Color Display

This screen allows you to get an indication on the screen of what the colour looks like.

The screenshot shows the 'Mixing System' software interface. At the top, there is a header with the 'HYMAX AUTOMOTIVE REFINISH' logo. Below the header, a list of paint color options is displayed in a grid. Each option includes a digital color swatch and text describing the color and its application. A red circle highlights the first color swatch in the list. Below the list, there is a navigation bar with several tabs: 'Alternative Description', 'Details', 'Alternative Codes', and 'Models'. At the bottom of the interface, there is a menu bar with various options: 'Formula Comparison', 'Digital Color Display', 'Underhood', 'Underhood Of', 'Multicoat', 'Interior', 'Interior Of', 'Multitone', 'Plastic Part', 'Plastic Part Of', 'Wheels Color', and 'Wheels Color Of'. A red circle highlights the 'Digital Color Display' option in the menu bar.

Alternative Description	Details	Alternative Codes	Models
ACURA B537M-4 NEW BRIGHT BLUE-MET. 06-16	ACURA B538M GLACIER BLUE-MET. 06-10		
ACURA B546P(A) KINETIC BLUE-MET. 07-08	ACURA B54P COBALT BLUE-MET. 90-92		
ACURA B552P-4 BALI BLUE-MET. 09-13	ACURA B553P VORTEX BLUE-MET. 09-14		



VI. Formula Comparison

Whenever you select a colour that has variants, the formula comparison button becomes active, which gives you access to the formula comparison screen. This will give you as many formulations as there are variants with the possibility of moving the formulations left and right with the left and right arrows. This will allow you to move any 2 formulations next to each other for easier comparison

Information

HYMAX
AUTOMOTIVE COLOURS

Vehicle Make: MERCEDES Color Description: BRILLANTSILBER-MET.
Color Code: 744 Year: 1991 - 2019 Color Family: GREY MET

STANDARD 21205 LIGHTER 41100 LIGHTER+ 44175

Color Code	Color name	Quantity	Color Code	Color name	Quantity	Color Code	Color name	Quantity
B980	BASECOAT MET.MEDIUM	943.17	B980	BASECOAT MET.MEDIUM	230.23	B980	BASECOAT MET.MEDIUM	
			B940	BASECOAT MET. COARSE				
			B988	BASECOAT SILVER DO...	406.86			
			B950	BASECOAT MET. MEDI...	199.63	B950	BASECOAT MET. MEDI...	
			B002	BASECOAT METALLIC ...	72.91	B002	BASECOAT METALLIC ...	
			B730	BASECOAT PEARL GOLD	19.20			
B810	BASECOAT CARBON BL...	18.70	B810	BASECOAT CARBON BL...	15.40			
B540	BASECOAT OXIDE TRA...	10.00	B540	BASECOAT OXIDE TRA...	7.60			
			B020	BASECOAT WHITE	7.60			

Alternative Descriptions: ARGENT ADAMANTIN-MET., ARGENTO BRILLANTE-MET., BRILLANTZILVER-MET., BRILLANT SILVER-MET., BRILLIANT SILVER-MET.

Details: Effect

Models: 190 A-KLASSE, C SPORTCOUPE, C-KLASSE, CITAN

Alternative Codes: 9744



VII. Plastic Parts

Whenever you select a colour that has coloured plastic parts, the plastic parts button becomes active, which gives you access to the plastic parts screen, displaying the colours that will be relevant to the vehicle and code that was chosen.

Digital Colors	Manufacturer	Code	Description	Year	Color Family
	MERCEDES	744	BRILLANTSILBER-MET.	91-19	GREY MET
	MERCEDES	9744	BRILLANTSILBER-MET.	91-19	GREY MET
	MERCEDES TRUCKS	744	BRILLANTSILBER-MET.	90-01	GREY MET
	MERCEDES TRUCKS	9744	BRILLANTSILBER-MET.	90-01	GREY MET

Alternative Description	Details	Alternative Codes	Models
ARGENT ADAMANTIN-MET. ARGENTO BRILLANTE-MET. BRILJANTZILVER-MET. BRILLANT SILVER-MET. BRILLIANT SILVER-MET.	Effect	9744	190 A-KLASSE C SPORTCOUPE C-KLASSE CITAN

Navigation Bar: Formula Comparison, Digital Color Display, Underhood, Underhood Of, Multicoat, Interior, Interior Of, Multitone, **Plastic Part**, Plastic Part Of, Wheels Color, Wheels Color Of



VIII. Formulation Screen

Select desired paint line here (BC,2K,WB) after which you will get a display of the requested formula.

Scale connection for mixing.

Actual Quantity weighed

Copy to custom

Mixing System

HYMAX
AUTOMOTIVE REFINISH

Vehicle Make: MERCEDES Color Description: BRILLANTSILBER-MET. Tone:
 Color Code: 744 Year: 91-19 Date: Feb 4, 2006
 Panel no.: 21205 Kgs: 0.9759 Liters: 1.000 VOC: 708.5 grams/liter Cost: 0

Available Paint Lines: BC WB

Code	Description	Quantity	Qty Cumulative	Actual Quantity	Quantity Difference
B980	BASECOAT MET.MEDIUM	943.17	943.17	0.00	0.00
B810	BASECOAT CARBON BLACK	18.70	961.87	0.00	0.00
B540	BASECOAT OXIDE TRANSPARENT YELLOW	10.00	971.87	0.00	0.00
T350	2K OXIDE YELLOW	2.70	974.57	0.00	0.00
T120	2K MIXING BLUE	1.30	975.87	0.00	0.00

OLD FORMULA AVAILABLE

Alternative Description: ARGENT ADAMANTIN-MET. ARGENTO BRILLANTE-MET. BRILJANTZILVER-MET. BRILLANT SILVER-MET. BRILLIANT SILVER-MET.
 Details: Effect
 Color Box Info: 2003: MERCEDES 2 MER. 744 2010: MERCEDES 2 MER. 744
 Comments: USE GRAY PRIMER

HyMix Help

View Full Screen

Old Formula

Ready to Spray

Send to Job Management

Label printing

Form printing



VIII. Formulation Screen

1. Old Formula

If there is an older formula available for the color in question this button will turn RED and you have the possibility to view older formulations which include discontinued toners.

Vehicle Make: MERCEDES Color Description: BRILLANTSILBER-MET. Tone: Date: Feb 4, 2006

Color Code: 744 Year: 91-19 Kgs: 0.9759 Liters: 1.000 VOC: 708.5 grams/liter Cost: 0

Panel no.: 21205

Available Paint Lines: BC WB

Code	Description	Quantity	Qty Cumulative	Actual Quantity	Quantity Difference
B980	BASECOAT MET.MEDIUM	943.17	943.17	0.0	0.00
B810	BASECOAT CARBON BLACK	18.70	961.87	0.0	0.00
B540	BASECOAT OXIDE TRANSPARENT YELLOW	10.00	971.87	0.0	0.00
T350	2K OXIDE YELLOW	2.70	974.57	0.0	0.00
T120	2K MIXING BLUE	1.30	975.87	0.0	0.00

OLD FORMULA AVAILABLE

Alternative Description: ARGENT ADAMANTIN-MET., ARGENTO BRILLANTE-MET., BRILJANTZILVER-MET., BRILLANT SILVER-MET., BRILLIANT SILVER-MET.

Details: Effect

Color Box Info: 2003: MERCEDES 2 MER. 744, 2010: MERCEDES 2 MER. 744

Comments: USE GRAY PRIMER



VIII. Formulation Screen

2. Actual Quantity Weighed

If the user makes a mistake with one of the toners by overshooting the desired weight requested, he can manually enter in that column the actual weight that was poured in that column and the software will recalculate the additional weights for the remaining toners to use.

This feature is not as extensive as the smart scale feature which does more recalculations.

But it is a one-time quick error recalculate.

The screenshot shows the 'Mixing System' window with the HYMAX logo at the top. Below the logo, there are input fields for 'Vehicle Make' (MERCEDES), 'Color Description' (BRILLANTSILBER-MET.), 'Color Code' (744), 'Year' (91-19), 'Panel no.' (21205), 'Kgs' (0.9759), 'Liters' (1.000), 'VOC' (708.5 grams/liter), 'Tone', 'Date' (Feb 4, 2006), and 'Cost' (0).

Below these fields is a table titled 'Formula Composition' with columns: Code, Description, Quantity, Qty Cumulative, Actual Quantity, and Quantity Difference. A red circle highlights the 'Actual Quantity' column. The table contains the following data:

Code	Description	Quantity	Qty Cumulative	Actual Quantity	Quantity Difference
B980	BASECOAT MET.MEDIUM	943.17	943.17	0.0	0.00
B810	BASECOAT CARBON BLACK	18.70	961.87	0.0	0.00
B540	BASECOAT OXIDE TRANSPARENT YELLOW	10.00	971.87	0.0	0.00
T350	2K OXIDE YELLOW	2.70	974.57	0.0	0.00
T120	2K MIXING BLUE	1.30	975.87	0.0	0.00

At the bottom of the screen, there are several panels: 'Alternative Description' (listing various silver and blue tints), 'Details' (showing 'Effect'), 'Color Box Info' (listing vehicle models like MERCEDES 2, MER. 744), and 'Comments' (showing 'USE GRAY PRIMER'). There are also several icons on the right side of the screen, including a scale, a document, a bar chart, a printer, and a person with a briefcase.



IX. Scale

In the scale screen, the formula is outlined and you have to follow the prompt, the information is displayed on both the computer screen and scale screen. As you are weighing, and approach a desired weight, the colour of the numbers become yellow, when you hit the exact weight, they turn green and when you go over the top they turn red. If they turn red or orange and the user decides to stop, he is prompted as to whether he wants the software to recalculate the formula accordingly or leave as is.

The software will automatically recalculate all toners if the user wishes so and prompts the user for the weights to add one toner at a time.

ScaleMeasurement

Choose COM
COM1

Choose a COM port and click on Start to begin

Ignore Confirm

Code	Description	Qty Cumulative
B980	BASECOAT MET. MEDIUM	943.2
B810	BASECOAT CARBON BLACK	961.9
B540	BASECOAT OXIDE TRANSPARENT YELLOW	971.9
T350	2K OXIDE YELLOW	974.6
T120	2K MIXING BLUE	975.9

Added Weights
Quantity

Vehicle Make: MERCEDES
Color Code: 744
Panel no.: 21205

Available Paint Lines: BC WB

Formula Con

Code D
B980 B
B810 B
B540 B
T350 2
T120 2

Comments
GRAY PRIMER



X. Copy to Custom Formula

Copy to custom formula screen is split into 3 editable (edit, add or remove) windows:

a. **Color information** : manufacture, code etc....

b. **Paint line information** : you can select paint line that you desire pertaining to a colour (2K,WB,BC)

c. **Formula components** : toners weights used in formula.

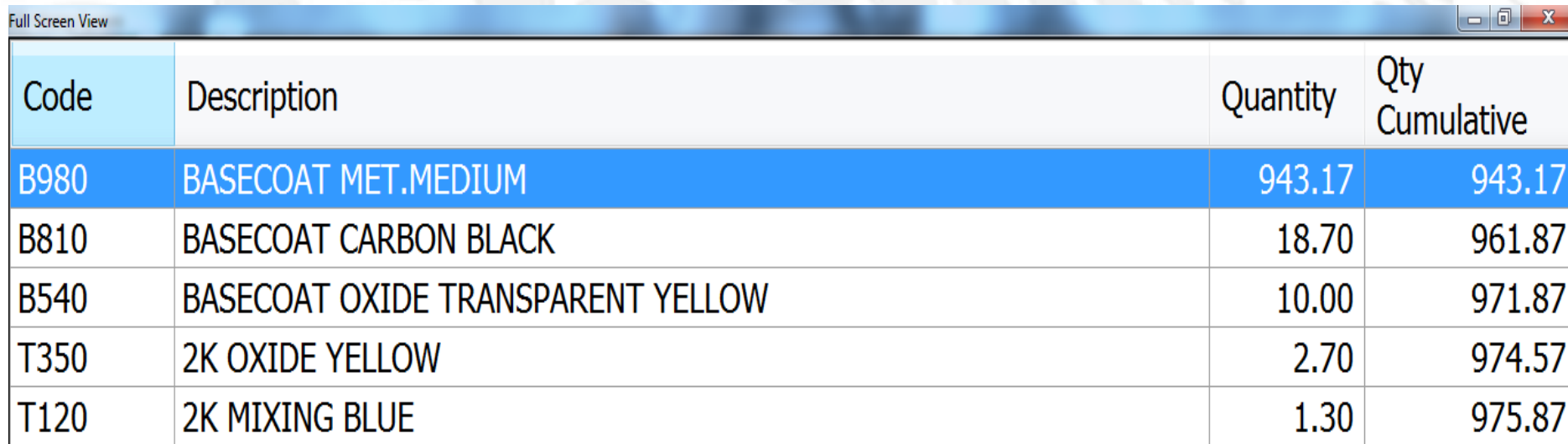
d. These custom formulations are stored on the individual computer, they are not overwritten when the data is updated and they can be copied from one user to another using the export and import button.

The screenshot shows the 'Custom Formula' application window. It features a top navigation bar with a 'QuickSearch' field. Below this is a table with columns: Manufacturer, Code, Description, Tone, Model, Year, Panelno, and Modtype. A red circle labeled 'a' encompasses this table. Below the table is a large grey area with a red circle labeled 'd' around an import/export icon. At the bottom left, there is a table for 'Add or choose a new paint line' with columns: Paint Line, Comments, Date of Creation, and VOC. A red circle labeled 'b' encompasses this table. At the bottom right, there is a table for 'Edit or add formula components' with columns: Code, Quantity, and Name. A red circle labeled 'c' encompasses this table. The interface also includes several icons for adding, editing, deleting, and saving.



XI. View in Full Screen

To view full screen hold mouse on main bar as shown in previous presentation slide, right click, view full screen box will appear then left click for full screen as shown here.



Code	Description	Quantity	Qty Cumulative
B980	BASECOAT MET.MEDIUM	943.17	943.17
B810	BASECOAT CARBON BLACK	18.70	961.87
B540	BASECOAT OXIDE TRANSPARENT YELLOW	10.00	971.87
T350	2K OXIDE YELLOW	2.70	974.57
T120	2K MIXING BLUE	1.30	975.87



XII. Ready to Spray

By clicking the ready to spray button in the formulation screen.

You are directed to this module, you will be prompted to click in each box from left to right that will be relevant to the paint line chosen. (a)

Then click the calculator. (b)

Again you can view full screen from here. (c)

Vehicle Make: MERCEDES Description: BRILLANTSILBER-MET. Tone: Paint Line: BC
 Color Code: 744 Year: 91-19 Panel No: 21205 Date: Feb 4, 2006

Group: RMC-BC Product: RMC-BC READY MIXED COLOR BC

type	Degree	Additive	hardener	Reducer
Standard blending				S11 P.U. THINNER NORMAL S19 P.U. THINNER NORMAL S19 P.U. THINNER FAST S21 P.U. THINNER SLOW S23 P.U. THINNER SLOW S40 P.U. THINNER EXTRA SLOW S50 P.U. THINNER EXTRA SLOW

RMC-BC READY MIXED COLOR BC S19 P.U. THINNER FAST

Qty of liters: Cost: 0.0 VOC: 782 grams/liter
 Base Product: 1.000 Kgs: 1.63587 1368.5 grams
 Ready to Spray: 1.750

Cod	Description	Quantity	Qty Cumulative
B98	BASECOAT MET. MEDIUM	943.17	943.17
B80	BASECOAT CARBON BLACK	16.70	961.87
B40	BASECOAT OXIDE TRANSPARENT YELLOW	10.00	971.87
B50	2K OXIDE YELLOW	2.7	974.57
F120	2K MIXING BLUE	1.30	975.87
S19	P.U. THINNER FAST	660.00	1635.87



XII. Ready to Spray From Cover

By clicking the ready to spray button on the cover page..

You are directed to this module, Ancillary Product Mix. (Primers, Clearcoats etc..) Click on group and select, next click on product and select.

you will be prompted to click in each box from left to right that will be relevant to the product line and the relevant finish you have chosen.

Then click the calculator.

Again you can view full screen from here.

Ready to Spray

HYMAX
AUTOMOTIVE FINISH

ANCILLARY PRODUCT MIX

Group: Clear Product: C072 L.E. CLEAR

type Degree Additive hardener Reducer

Standard

H082 2K L.E. HARDENER FAST
H090 2K L.E. HARDENER NORMAL
H092 2K L.E. HARDENER SLOW
H096 2K L.E. HARDENER EXTRA SLOW
H099 2K L.E. HARDENER EXTRA SLOW +

C072 L.E. CLEAR H092 2K L.E. HARDENER SLOW

100 0 50 0

0 <= 0 <= 0

Qty of liters Cost 0.0 ... VOC 417.3 grams/liter
Base Product 1.000 Kgs 1.4765 626.0 grams
Ready to Spray 1.500

Code	Description	Quantity	Qty Cumulative
C072	L.E. CLEAR	975.00	975.00
H092	2K L.E. HARDENER SLOW	501.50	1476.50



XIII. Costs

There is a window showing listed cost.

Should any of your clients wish to know the cost of their mixed formulae then enter relevant prices in Parameters.

In parameters, follow the instructions below :

- Click on parameters.
- Select costs.
- Enter prices in the litre column.
- Click save.

The screenshot shows the 'Mixing System' window with the HYMAX logo at the top. Below the logo, there are input fields for 'Vehicle Make' (MERCEDES), 'Color Description' (BRILLANTSILBER-MET.), 'Tone', 'Color Code' (744), 'Year' (91-19), 'Date' (Feb 4, 2006), 'Panel no.' (21205), 'Kgs' (0.9759), 'Liters' (1.000), and 'VOC' (708.5 grams/liter). A 'Cost' field is highlighted with a red circle and contains the value '5.04'. Below these fields, there is a table for 'Formula Composition' with columns for 'Code', 'Description', 'Quantity', 'Qty Cumulative', 'Actual Quantity', and 'Quantity Difference'. The table lists several components like B900, B810, B540, T350, and T120. To the right of the table, there are several icons and a red banner that says 'OLD FORMULA AVAILABLE'. At the bottom of the window, there are four panels: 'Alternative Description', 'Details', 'Color Box Info', and 'Comments'.

Code	Description	Quantity	Qty Cumulative	Actual Quantity	Quantity Difference
B900	BASECOAT MET.MEDIUM	943.17	943.17	0.0	0.00
B810	BASECOAT CARBON BLACK	18.70	961.87	0.0	0.00
B540	BASECOAT OXIDE TRANSPARENT YELLOW	10.00	971.87	0.0	0.00
T350	2K OXIDE YELLOW	2.20	974.57	0.0	0.00
T120	2K MIXING BLUE	1.30	975.87	0.0	0.00



XIV. MSDS / TDS

The MSDS/TDS shows the TDS or MSDS of a given product by country.

The TDS are available using the Info Button on the main page of the software. They are integrated within the software.

The MSDS are only available online but can be accessed through the software.

Product Range

HYMAX
AUTOMOTIVE REFINISH

Product Name: HYFLOW-B-SERIES

TDS SDS

Country: LEBANON

ANCILLARIES	B000 CLEAR
CLEARCOATS	B001 BASECOAT BINDER
HARDENERS	B002 METALLIC ADDITIVE
HYDROBASE-W-SERIES	B005 ECOSTAR BINDER
HYFLOW-B-SERIES	B020 WHITE
HYFLOW-T-SERIES	B100 SHADOW WHITE
PRIMERS	B110 LUMINOUS BLUE
PUTTIES	B150 RADIANT BLUE
THINNERS	



To provide you with better service, our Software and IT Customer Support is available from 8:00AM (GMT) to 8:00PM (GMT), by email at: support.it@hymax.biz