

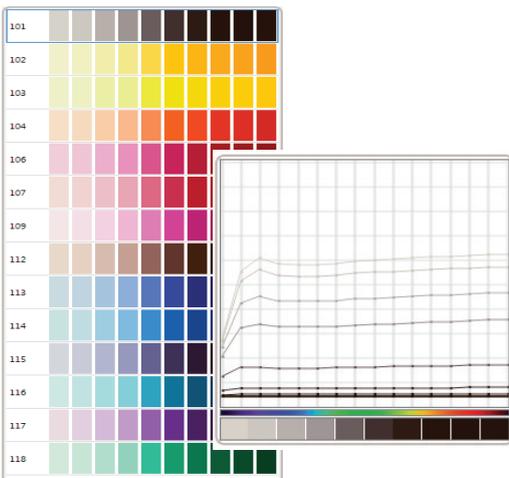


## Color Recipe Formulation Software

ColorMix is the software created for the instrumental formulation in the production of color recipes. It optimizes the preparation time, the quality of the result and, not least, verifies the production cost.

ColorMix uses proprietary mathematical formulas developed to obtain a rigorous calculation capable of expanding several combinations in real time, ordered by Delta, metamerism and cost.

### Creation of the Database



The process of insertion and characterization of the colorants in use is completely unrelated to suppliers and / or chemical classes. The simple and intuitive interface allows insertion and maintenance over time. During the development of the bases, it is possible to formulate each color, from the maximum concentration to the lightest shade used. Eventual excesses are evidenced and eliminated by the software, which also allows to verify the constancy over time.

During the base configuration it is possible to declare possible incompatibilities between combinations of recipes or limitations of use for each colorant, in order to be able to manage finishing imperfections or limitations declared by the supplier.

### Automatic Recipe Calculation

From an instrumental reading or the selection of a color folder, such as Pantone, ColorMix presents a list of possible recipes, delivering the features so that the user can choose the most suitable to the production and / or target customer.



Primary Reference: D50 - 2/54  
Secondary Reference: A - 0254

COLORANT	CONC.
INDIO - 011	0.05
GRANIL - 103	0.01
IRANCO - 104	0.04

TolConc	0.09
Thickness 1	999.91

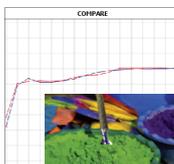
STANDARD			
X	Y	Z	K
70.82	72.04	72.91	8
88.78	2.25	4.30	

RECIPE			
X	Y	Z	K
70.82	72.04	72.91	8
88.78	2.25	4.30	

#### RECIPE

Formula: 13802  
Color: Zambal  
Formula DE: DKC(2-1)  
Substrate: Default

#### COMPARE



The expression of the recipes can be in grams per kilo (and / or liter), grams per mother compound, or percentage. Before the formulation it is possible to declare the target substrate reading to also consider the chemical colorimetric variables.



## List of Works and Corrections

Each recipe chosen is stored in a database awaiting verification and approval. The developed and confirmed color can be filed in a historical folder or it can be corrected if it fails to meet expectations. For easy recognition, it is possible to complete the basic information of the client, article and variant. Pending jobs can be printed or sent directly to automatic color kitchens.

ID	Color Code	Creation Date	Disposition Date	Archived	Rev.	Note
4	1	04/05/2018 12:25			1	
5	2	04/05/2018 12:25			1	
6	3	04/05/2018 12:26			1	
7	4	04/05/2018 12:26			1	
8	5	04/05/2018 12:26			1	
9	6	04/05/2018 12:27			1	
10	7	04/05/2018 12:27			1	
11	8	04/05/2018 12:28			1	
12	9	04/05/2018 12:28			1	
13	10	04/05/2018 12:28			1	
14	1	04/05/2018 12:33			1	
15	2	04/05/2018 12:33			1	
16	3	04/05/2018 12:33			1	
17	4	04/05/2018 12:34			1	
18	5	04/05/2018 12:34			1	
19	6	04/05/2018 12:34			1	
20	7	04/05/2018 12:35			1	
21	8	04/05/2018 12:35			1	
22	9	04/05/2018 12:35			1	
23	10	04/05/2018 12:35			1	
24	1	09/05/2018 11:00			1	

**Filter & Search**

Search ID:

Image Filter:

Details Filter:

ColorWay Filter:

Revision Filter:  Show Stored Batches

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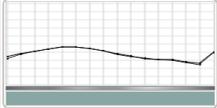
**Recipe Info**

Colorant	Conc
410	0.19
421	2.90
426	1.00

DeltaE: 0.03    Stability: 0.82    Metameria: 0.36

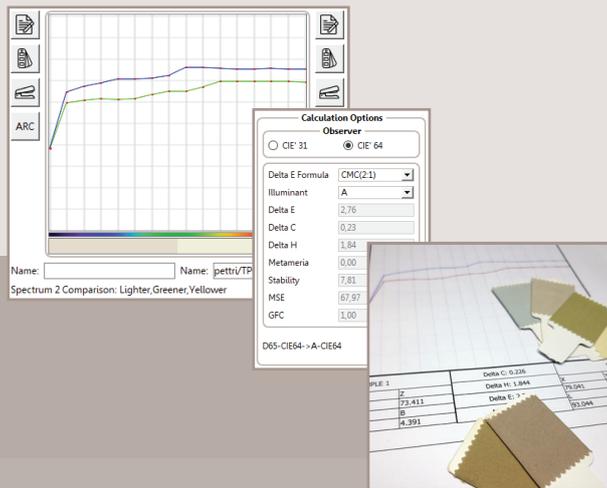
Price: 0    Tot Conc: 4.6985

Thickener 1: 995.302    Thickener 2: 0



## Quality Control

Quality control contains all published and internationally recognized standards. The opening of two reflectance or the direct reading of two colors guarantee an unbiased decontaminated assessment of user sensations, tiredness or ambient light. A complete and customizable technical sheet accompanies each one of the works, for the own protection and for the client.



## Discard management

Through a single instrumental reading it is possible to archive the colorants in excess with the respective quantities. During each recipe formulation process, ColorMix will highlight to the user each compatible color to be used.

Name	Weight (Kg)	Colorants
110106	0.5	Anna
110603	0.12	Ariana
110710	0.88	Jennifer
114001	0.63	Kayra
114300	0.6	Ariana

