



SERIE

CAELUM SL



CAELUM SL SERIE

		Solid content (%)	Density (g/cm ³)	Fastness		Overcoating resistance	
				Lightfastness ⁽¹⁾	Weather ⁽²⁾	Xylene ⁽³⁾	MEK ⁽³⁾
White SL		50%	1,30	6	5	5	5
Yellow SL		30%	1,18	7	5	5	5
Red SL		30%	1,18	8	5	5	5
Brown SL		40%	1,30	8	5	5	5
Blue SL		20%	1,10 – 1,20	6	5	5	5
Green SL		25%	1,15 – 1,25	4-5	5	5	5
Black SL		10%	0,95	8	5	5	5

Caelum SL products are pigment dispersions developed for outdoor wood coloration. The color range is especially selected to guarantee the best resistance to light exposure in all weather conditions.

Caelum SL colorants combine an improved dyeing power with elevated brilliancy to the transparency of the formulation, allowing not to cover wood grains below the coloration. This is possible thanks to highly micronized pigment dispersions, with mean particle size lower than 0,5µm, and the correct balance within solvent and stabilizers.

The additives inside the formulation permit a good fluidity of the products with low sedimentation, giving also an improved stability during storage time even at cold temperatures.

Caelum SL range is miscible in the most common solvent-based dispersions, without changing the application features of the final product.

Caelum SL products are miscible in any proportions to obtain the desired shade.

Properties

High light fastness
Strong resistance to weather conditions
Excellent Brilliancy
Transparency
Easy and reliable application
Dilutable in polar solvents
Unlimited miscibility

Applications

Main application is **wood coating**.

Suggested dilution is within 1:3 and 1:20 depending on the desired coloring intensity. Even at 1:3 dilution, wood grains remain visible due to the high preparation transparency.

Recommended solvents are organic polar solvents for **Caelum SL** range.

Overcoating with solvent finishing products is suggested to preserve the color brilliancy and improve weather resistance.

The versatility of **Caelum SL** range permits its application even in varnishes, as industrial paint, or for automotive sector and plastics.

⁽¹⁾**Light Fastness:** 1 – 8 scale, where: 1 = Very poor, 8 = Excellent

Caelum products were applied in full shade over maple essence by spray technique without overcoating; results were given following UNI EN ISO 105-B02 procedure. Therefore, lightfastness values will change on different wood essences and modifying the number of colour layers.

⁽²⁾**Weather resistance:** 1 - 5 scale, where: 1 = Very poor, 5 = Excellent

Test and results following DIN 54001 procedure.

⁽³⁾**Overcoating resistance:** 1 – 5 scale, where: 1 = Scarce, 5 = Good.

Qualitative evaluation of emulsion and colour.

All information is based on the current state of our knowledge and on the results of our tests, but they are given without guarantee. The Buyer remains responsible for verifying that the products are suitable for his intended process or purpose. Cromatos srl is not liable for any damage due to following these suggestions. Nothing herein contained can be considered as a recommendation for use in violation of patents or applicable laws or regulations. Tests before the industrial use of the product are recommended.



COLORANTI, PIGMENTI E PRODOTTI CHIMICI PER L'INDUSTRIA
INDUSTRIAL DYES, PIGMENTS AND CHEMICAL PRODUCTS

Cromatos s.r.l.

Via G. Cardano, 6B/C/D | 47122 Forlì (FC) Italy | T +39 0543 796191 | F +39 0543 796189
info@cromatos.com | www.cromatos.com