



TECHNICAL INFORMATION

DECO-EPOXY 1C PRECATALYZED



DESCRIPTION

DECO-EPOXI 1C PRE-CATALYZED, ready-to-use, water-based acrylic-epoxy hybrid technology, with performance like conventional 2C epoxy systems, quickly access of the painted surface. It offers a longer shelf life, faster cure time, bigger resistance to UV rays and very low VOC. Offers high durability, chemical resistance and high cold / hot tires resistance, as well as increased gloss stability under UV exposure.

Features:

-  Excellent adherence to concrete, metal and wood substrates.
-  Film coat hard, waterproofing, elastic and highly resistant.
-  Resistance to chemical attacks (acids, alkalis, oils, etc.)
-  High mechanical resistance.
-  Anti-dust performance for concrete floors.
-  Interior / exterior use.

TECHNICAL DATA

Nature	Epoxy-acrylic resin.	
Colour	White, Grey (RAL 7004), Red and DECO-COLOR tinting systems.	
Gloss	Satin. 60°: 50-60 GU	UNE-EN ISO 2813
Solids by weight	46 %	UNE-EN ISO 3251
Solids by volume	35 %	UNE 48090
Viscosity	100 – 105 KU (23 ± 2 °C)	UNE 48076
Specific weight	1.10 – 1.20 kg/l (23 ± 2 °C)	UNE-EN ISO 2811-1
pH	8 – 9 (23 ± 2 °C)	UNE-EN ISO 787-9
Theoretical spreading rate	4 – 5 m ² /l. Take in mind application leaking, surface irregularities, etc.	
Total drying	60 minutes.	UNE 48301
Repaint	4 – 6 hours.	
Traffic	48 – 72 hours.	
Water resistance	At 7 days.	
Liquid water transmission rate	W ₃ (Low)	UNE-EN 1062-3
Traction adherence	> 10 N/mm ² (cement board/7 days at 23 °C/70 µm dry)	UNE-EN ISO 4824
Taber abrasion resistance	< 40 mg (CS-17 – 1 kg – 1000 cycles)	UNE-EN ISO 7784-2
Pencil hardness	6H	UNE-EN ISO 15184
Adherence	0	UNE-EN ISO 2409
Reaction to fire	Bs1d0	UNE-EN 13501-1:2007
Solvent	Water.	

Pinturas Decolor

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EU limit value for this product (cat. A/i): 140 g/l (2010). Max. content VOC: 75 g/l

Table of resistance against chemical products		Table of stain resistance	
Chemical	1 hour	Chemical	Time
Water	Does not change	Water	16 h
Hydrochloric acid 20%	Does not change	Ammonia 25%	16 h
Ethanol 20%	Does not change	Ink	16 h
Ammonia 25%	Does not change	Coffee	16 h
Sulphuric acid 25%	Soft film	Wine red	16 h
brake fluid	Does not change	Ethanol 20%	1 hour
Gas-oil	Does not change	Hand cream	16 h
Gasoline	Does not change	Acetone	15 sec.
On cement. Apply two coats at 150 microns wet and dry for 3 days at ambient temperature, 1-hour exposure.		On wood. Apply two coats at 150 microns wet and dry for 7 days at ambient temperature.	

APPLICATION

Especially for garages, commercial floors, hospital rooms, surgery rooms, restaurant kitchens, schools, pool terraces, metal structures, walls with high resistance to abrasion, etc.

They can be used at lower temperatures (less than 10 °C), compared to conventional water-based epoxy systems.

DECO-EPOXY 1C is easy to maintain, making it ideal for both indoor and outdoor high-traffic areas, including garage floors, driveways, commercial floors, basements, pool terraces, hallways, patios, porches, and more.

INSTRUCTIONS FOR USE

Application methods: brush, roller or spray.

Thinner and cleaning utensils: Water.

Painted surfaces must be dry and clean of dust, rust, grease, etc.

-  Cement, concrete: Concrete must be cured for which 1 month should have elapsed from application. The surface should have a proper roughness, so is recommending to prepare it with a grinder f diamond (or other abrasive) or shot blasting. Apply on the surface hydrochloric acid (HCl) diluted 10-15% to neutralize the alkalinity of the cement, and then wash it and let dry. As a primer you can use PRIMER FLOOR AQUA or DECOKRIL RAPID. After 24 hours, apply subsequent layers of DECO-EPOXY 1C by diluting a maximum 5% with water.

Old surfaces must be strongly brushed, eliminating completely the grease and dust, as well as any other contamination.

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✚ Metal surfaces: Remove rusted areas by manual or mechanical brushing. Apply 2 coats of PRIMER EPOXY ANTICORROSIVE AQUA or PRIMER POLYVALENT AQUA before proceeding to paint. Apply after 2 coats diluted between 5-10% with water.

✚ Gypsum, wood: Prime with SEALER AQUA. Apply after 2 coats diluted between 5-10% with water.

In general, we recommend:

✚ Apply between 5 °C and 35 °C.

✚ It is not recommended to apply in full sun or high temperatures of the surface.

✚ Perfectly mix the product before use.

PRESENTATION

Plastic packaging of: 4 L; 15 L

STORAGE

24 months in closed original container under roof and temperatures between 5 °C and 35 °C and protected from the weather.

ADDITIONAL INFORMATION

The information contained in this document serves as a guide for the user but does not constitute a guarantee. For information about safety and the environment, please refer to the Safety Data Sheet.

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