



TECHNICAL INFORMATION

DECO-EPOXY 2C-LD



DESCRIPTION:

2-component epoxy paint for the protection of concrete floors, metal structures, etc. Does not contain solvents (100% solids).

Features:

-) Excellent adhesion on concrete and metal substrates.
-) Film formation hard, elastic and highly resistant.
-) High resistance to chemical products (acids, alkalis, oils, etc.)
-) High mechanical resistance.
-) Anti-dust coating for concrete floors.
-) Indoor use.

TECHNICAL DATA:

Fixed vehicle	Epoxy.	
Colour	Red oxide, grey (Ral 7004), green (L050 Nova approx.) and white.	
Gloss	Gloss.	
Solids by weight (A+B)	99 %	UNE-EN ISO 3251
Solids by volume (A+B)	85 %	UNE 48090
Specific weight (A+B)	1.25 – 1.35 Kg./l (23 + 2 °C)	UNE-EN ISO 2811-1
Total performance (A+B)	Primer: 2 – 3 m ² /Kg. (0.30 – 0.50 Kg./m ²) Top Coat: 3 – 4 m ² /Kg. (0.25 – 0.30 Kg./m ²)	
Recommended thickness	170 – 200 microns wet; 160 – 190 microns dry per coat.	
Taber abrasion resistance	30 mg (CS-17 - 1Kg. - 1000 cycles)	UNE-EN ISO 7784-2
Traction adherence (cement board/7 days at 23 °C/100 %m dry)	> 1.5 N/mm ² (break concrete)	UNE-EN ISO 4824
Traffic	48 – 72 hours	
Full cure	7 days at 23 °C and 55% relative humidity, 14 days at 12 °C and 55% relative humidity.	
Pot mixing life	25 – 35 minutes at 20 °C. The useful life of the mixture depends on the temperature and amounts mixed.	
Repaint	12 – 24 hours maximum.	
Solvent	-	

EU limit value for this product (cat. A/j): 500 g/l (2010). Max. content VOC: 20 g/l

Pinturas Decolor

Industrial Estate El Salvador Avenue 3^a, Parcels 4 and 5
 Apdo. 106 – 02630 La Roda (Albacete) Spain
 Phone: +34 967 44 17 14 Fax: +34 967 44 33 54
 E-mail: dptotecnico@decolor.com <http://www.decolor.com>



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Table of resistance against chemical products			
No affected or slightly attacked, after 12 month of expositions is advisable to protect again +	15% sodium hypochlorite 100% hydrogen peroxide Castor oil Methyl isobutyl ketone Xylene	Toluene White spirit Gasoline Pentane Hexane	Heptane Ethylene Tetrachlorethylene Ethanol
No affected after 6 month exposition after that partial attack +0	Acetone Pine oil Benzene Ethylene di-chloride Methanol	Butanol Di-Acetone Alcohol	
No affected after 1 month exposition after that partial attack 0	Water Sodium hydroxide 20% Methyl ethyl ketone Ethyl acetate Tri-chloro ethylene	Ethanol amine Sec-butanol	
Non resistant -	Acetic anhydride Diethylene glycol Chloroform Ammonia Ammonia 40%	Benzyl alcohol 10% sulphuric acid in water 50% sulphuric acid in water Nitric acid 10% in water Hydrochloric acid 10% in water	Acetic acid 10% acetic acid in water Formic acid

APPLICATION:

Protection of maximum performance of metal surfaces and concrete floors (industrial buildings, warehouses, car parks, hypermarkets, etc.), where high resistance to chemical and mechanical attacks is required. It is suitable as anti-dust treatment on floors allowing dirt does not adhere to the coating.

INSTRUCTIONS FOR USE:

Application methods: brush, roller or spray.

Cleaning utensils: EPOXY SOLVENT. The hardened material can only be removed by mechanical means.

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

Mixing ratio: (A): 4 part in weight
(B): 1 part in weight

- Cement, concrete: The concrete must first be set for which it must have been 1 month since its application.

The weak parts of the concrete must be eliminated and all possible defects of the support must be repaired.

The surface must have a suitable roughness, recommending its preparation by means of a sander with a diamond stone or shot blasting machine.

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Low or medium porosity concrete: 1 layer of PRIMER DECO-EPOXY 2C - LD.
1 x 0.30 – 0.50 Kg./m²

High porosity concrete: 2 layers of PRIMER DECO-EPOXY 2C - LD.
2 x 0.30 – 0.50 Kg./m²

Top Coat: 2 layers of DECO-EPOXI 2C-LD.
2 x 0.25 – 0.30 Kg./m²

- Metal surfaces: Remove rusted areas by manual or mechanical brushing. Apply ANTI-CORROSIVE EPOXY PRIMER before painting.

Apply the subsequent layers without dilution with DECO-EPOXY 2C-LD.

In general we recommend:

-) Apply between 10 °C and 35 °C. The relative humidity should be between 20 – 80%.
-) Perfectly homogenize the product or shake, both the base (A) as then curing agent (B), before use.
-) Mix perfectly base and curing agent (A+B) until get a total homogeneous mixture using a mixer at low revolution. Avoid excessive mixing to minimize the occlusion of air bubbles.
-) Once the you have made the mixture wait 3 – 5 minutes before applying.
-) The support must be 3 °C over the dew point. Apply only on clean, dry surfaces and with a temperature above the dew point to prevent condensation or humidity.
-) In closed areas is necessary a good ventilation conditions during application and drying.
-) Ventilation is essential to ensure good circulation of air in the area to paint during application and drying. Otherwise the curing of the product and the final characteristics of the same (gloss, chemical resistance, etc.) may be seriously affected. We recommend a speed of airflow between 0.1 and 0.5 m/sec.

PRESENTATION:

Metallic packaging: Component (A): 8 Kg.
Component (B): 2 Kg.

STORAGE:

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

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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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