TECHNICAL INFORMATION

EPOXY PRIMER 2-COMPONENTS



DESCRIPTION:

Epoxy primer bi-component cured with polyamide containing zinc of phosphate as inhibitor of rusting, for protection of metal structures, floors of concrete, etc. Undercoat to facilitate the adherence over galvanized surfaces, aluminium, zinc, etc.

Features:

- Excellent adherence to concrete and metal substrates.
- Waterproofing, antirust and exterior resistant.
- High resistance to chemical attacks (acids, alkalis, oils, etc.)
- High mechanical resistance.

TECHNICAL DATA:

Fixed vehicle	Epoxy-polyamide resin.	
Colour	Red oxide (Ral 3009 approx.), grey (Ral 7004 approx.).	
Gloss	Satin	
Solids by weight (A+B)	64 %	UNE-EN ISO 3251
Solids by volume (A+B)	45 %	UNE 48090
Viscosity (A+B)	– KU (23 ± 2 ºC)	UNE 48076
Specific weight (A+B)	1.25 – 1.35 kg/l (23 ± 2 ºC)	UNE-EN ISO 2811-1
Theoretical spreading rate	9 – 14 m^2/l and coat. Take in mind application leaking, surface irregularities, etc.	
Recommended thickness	70 – 110 microns wet; 31 – 50 microns dry per coat. Apply 2 coats as finish.	
Drying touch	3 – 4 hours at 23 °C and 55% relative humidity. Depend on air temperature and ventilation.	UNE 48301
Total drying time	6 – 8 hours at 23 °C and 55% relative humidity. Depend on air temperature and ventilation.	UNE 48301
Repaint	12 – 24 hours.	
Full cure	7 days at 23 °C and 55% relative humidity, 14 days at 12 °C and 55% relative humidity.	
Pot mixing life	> 10 hours. The useful life of the mixture depends on the temperature and amounts mixed.	
Solvent	Aromatic solvent and alcohols.	
Corrosion test	> 500 hours of exposure	ASTM B-117 Salt mist

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

Adhesion / Lattice cut test UNE-EN ISO 2409		
Surface	**Details**	**Resulted**

Pinturas Decolor
Industrial Estate El Salvador Avenue 3ª, Parcels 4 and 5
02630 La Roda (Albacete) Spain
Phone: +34 967 44 17 14
E-mail: dptotecnico@decolor.com http://www.decolor.com

TECHNICAL INFORMATION

EPOXY PRIMER 2-COMPONENTS

Carbon steel	50 µm dry applied directly; 7 days at room temperature	0/0/0
Galvanised steel	50 µm dry applied directly; 7 days at room temperature	0/0/0
Aluminium	50 µm dry applied directly; 7 days at room temperature	0/0/0
PVC	50 µm dry applied directly; 7 days at room temperature	0/0/0

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 wáter	Acetic acid 10% acetic acid in water Formic acid

APLICATION:

Undercoat primer for ferric and non ferric surfaces and concrete pavement, interior and exterior is facilitating the adherence of further coats over galvanized, zinc, aluminium, PVC, some plastics, floors of concrete, etc.

INSTRUCTIONS FOR USE:

Application methods: brush, roller or spray.
Thinner and cleaning utensils: EPOXY SOLVENT.

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

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 EPOXY 2C.

Pinturas Decolor
Industrial Estate El Salvador Avenue 3ª, Parcels 4 and 5
02630 La Roda (Albacete) Spain
Phone: +34 967 44 17 14
E-mail: dptotecnico@decolor.com http://www.decolor.com

TECHNICAL INFORMATION

EPOXY PRIMER 2-COMPONENTS



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

- Metal surfaces: Remove rusted areas by manual or mechanical brushing. Apply 2 coats of PRIMER EPOXY 2C before proceeding to paint.

In general we recommend:

- Apply between 10 °C and 35 °C. The relative humidity should be between 20-60%.
- 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. It is advisable to dilute first the component A before adding the component B for a correct homogenization. Once the you have made the mixture wait 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): 4 kg; 12 kg
Component (B): 1 kg; 3 kg

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.

Pinturas Decolor
Industrial Estate El Salvador Avenue 3ª, Parcels 4 and 5
02630 La Roda (Albacete) Spain
Phone: +34 967 44 17 14
E-mail: dptotecnico@decolor.com http://www.decolor.com