



ESMALTE SUELOS EPOXI AL AGUA 2C SATINADO

SALES FORMAT

KIT: 12Kg

DESCRIPTION

Waterborne thin epoxy coating for floors. Formulated with epoxy resin plus amine adduct. It has excellent characteristics of hardness, abrasion resistance, scratch resistance, chemical resistance and is completely rot-proof. It has a smooth, satin gloss appearance and is breathable.

SCOPE OF APPLICATION

Inside
Concrete and cement floors
Cellars, Garages
Slaughterhouses
Farms
Industrial buildings
Workshops
Basements

PROPERTIES

- Very high adhesion
- High hardness and elasticity
- Resistance to chemical agents
- Abrasion resistance
- Impact resistance
- Dustproof
- Good performance
- Mixing time: 1,5-2h at 20°C

TECHNICAL DATA

Chemical composition	Epoxy resin + Ad.amine		
Colour	White and colours		
Finishing	Satin		
Brightness 60°:	30 ± 5	ISO 2813	
Brightness 85°:	50 ± 10	ISO 2813	
Density (Component A)	1,75 ± 0,05 g/ml	UNE- EN ISO 2811-1	
Viscosity (Component A)	3 ± 2 Pa-s (20rpm)	ASTM D 2196-10	
Solids by volume	53 ± 2%	UNE-EN ISO 23811	
Slip resistance	Rd > 45 / Class 3 (+15% aggregate)	UNE 41901	Nº12613
VOC	< 10 g/L . Maximum value allowed by the EU: 2004/42/II A classification (j) 140 g/L.		
Theoretical performance	12-14 m2/L - 6-8 m2/Kg (40 microns dry)		
Drying times	Touch-drying	1-3 h	
	Drying without stickiness	2-3 h	
	Full cure	7 days	
Repainting time	12-24 h		
Dilution	5-20% depending on application system		
Diluent	Mains water		
Cleaning	Water		

PREPARATION OF THE SUBSTRATE

GENERAL

In exteriors, do not apply if rain is expected, if it is in full midday sun or on humid days. Although the physical-chemical resistance to the exterior is unbeatable, it must be taken into account that chalking may occur on its surface, and the integrity of the colour and gloss cannot be guaranteed, therefore in high performance exterior finishes it should be used TKROM ESMALTE POLIURETANO 2C.

CONCRETE OR CEMENT SURFACES

On new surfaces, ensure that the concrete matures for at least four weeks. The surface to be painted must be thoroughly cleaned of dust, dirt, grease stains, oil, etc. It does not matter if the substrate has a moderate degree of humidity. It is always necessary that the pore of the surface to be coated is open and if not, it must be opened by mechanical treatment. Then apply two coats of TKROM ESMALTE SUELOS EPOXI 2C AL AGUA.

OLD OR ALREADY PAINTED SURFACES

If the existing coatings do not have a proven good adhesion, remove them by mechanical treatment and if it is considered that they do not need to be removed, open the pore by shot blasting, grinding or sanding thoroughly. If the surface is not new or in very good condition, a first coat of TKROM IMPRIMACIÓN EPOXI AL AGUA 3C should be applied and after a minimum of 24 hours and a maximum of 48 hours, apply two coats of TKROM ESMALTE SUELOS EPOXI 2C AL AGUA. In both cases, it must be diluted with water, adding it after the mixing operation between components A and B.

CONDITIONS OF APPLICATION

Substrate Temp.	Min. + 5°C / Max. + 35°C
Ambient Temperature	5°C / 35°C
Rocio Point	The substrate temperature must be at least 3°C above the dew point to reduce the risk of detachment or efflorescence.

APPLICATION SYSTEM

APPLICATION SYSTEM	PRODUCT	PERFORMANCE	DILUTION	LAYERS
PRIMING	TKROM IMPRIMACION EPOXI AL AGUA 3C	8-10 m ² /Kg (40 microns dry)	5-15% DEPENDING ON APPLICATION SYSTEM MAINS WATER	1 o 2
FINISH	TKROM ESMALTE SUELOS EPOXI AL AGUA 2C	12-14 m ² /L - 6-8 m ² /Kg (40 microns dry)	5-20% DEPENDING ON APPLICATION SYSTEM MAINS WATER	1 o 2
				2

RECOMMENDATIONS FOR IMPLEMENTATION

Product preparation: Add the catalyst to the base, mixing them with a mechanical stirrer at low speed, until they are perfectly mixed and allow 5 minutes to elapse before applying. Mix in a ratio of 5:1 by weight (base:catalyst). For dilution with water, make the addition of water after the mixing operation.

Method of application: It can be applied by brush or short haired roller.

The product must not be applied after the indicated Pot-life time of 1.5-2 hours at 20°C has elapsed.

ADDITIONAL DATA

Health and safety

For any information concerning safety issues in the use, storage, transport and disposal of this product, users should refer to the labelling and the most recent version of the MSDS, which contains physical, ecological, toxicological and other relevant data. WASTE: NON-HAZARDOUS. LER CODE: 080112

Storage

The stability of the product in its original unopened containers, at ambient temperatures of not more than 30 °C and not less than 5 °C shall be 12 months from the date of manufacture. Storage shall be in a cool, dry place, in their original containers, tightly closed, undamaged and protected from frost and direct sunlight.

Tariff heading

TARIC code: 3209 90 00

Note

Note: The data indicated in this technical data sheet may be modified according to possible variations in formulation and in any case express indicative values that do not exempt from carrying out the appropriate tests to check the suitability of the product for a specific job. For any doubts regarding the treatment of the surfaces mentioned above or for the painting of other specific materials not covered in this data sheet, consult the appropriate treatment with technical personnel accredited by the TKROM GROUP.