



IMPRIMACION EPOXI AL AGUA 3C

SALES FORMAT

KIT: 16 kg

DESCRIPTION

A sealing coating or thin-film primer for preparing concrete floors and plaster or cement walls. Formulated with epoxy resin and an amine adduct. It has a smooth, fine, breathable finish, penetrates the substrate well and can be recoated with water-based epoxy systems or polyurethane systems.

SCOPE OF APPLICATION

- Indoor
- Floors and walls: plaster, concrete
- Wineries
- Slaughterhouses
- Farms
- Industrial buildings
- Workshops
- Basements, Garages

PROPERTIES

- Very high adhesion
- High hardness and elasticity
- Resistance to chemical agents
- Abrasion resistance
- Impact resistance
- Dust-proof
- Good performance
- Pot life: 2–2.5 hours at 20°C

TECHNICAL DATA

Chemical composition	Epoxy resin + amine additive	
Colour	Off-white	
Finish	Glossy	
Gloss 60°	94 ± 3	ISO 2813
Density (Component A)	1.13 ± 0.05 g/ml	UNE-EN ISO 2811-1
Viscosity (Component A)	2 ± 2 Pa·s (20 rpm)	ASTM D 2196-10
Volume solids	43 ± 2%	UNE-EN ISO 23811
VOC	< 10 g/L. Maximum value permitted by the EU: 140 g/L	2004/42/II Category (j)
Theoretical coverage	8–10 m²/kg (40 dry microns)	
Drying times	Touch-dry: 1–3 hours Drying to a non-tacky finish: 2–3 hours Full cure: 7 days	
Recoating time	Minimum 24 hours Maximum 48 hours (after this time, sanding is required)	
Dilution	5–20 per cent depending on the application method	
Diluents	Tap water	
Cleaning	Water	

The technical data specified may vary if the material is tinted.

PREPARATION OF THE SUBSTRATE

GENERAL INFORMATION

Outdoors, do not apply if rain is forecast, in full midday sun or on damp days. Although its physical and chemical resistance to outdoor conditions is unrivalled, bear in mind that surface chalking may occur, and the integrity of the colour and gloss cannot be guaranteed; therefore, for high-performance outdoor finishes, TKROM ESMALTE POLIURETANO 2C should be used.

CONCRETE OR CEMENT SURFACES

On new surfaces, ensure the concrete has cured for at least four weeks. The surface to be painted must be thoroughly cleaned, removing dust, dirt, grease stains, oil, etc. It does not matter if the substrate has a moderate level of moisture. The pores of the surface to be coated must always be open; if they are not, they must be opened by mechanical treatment. Then apply two coats of TKROM 3C WATER-BASED EPOXY PRIMER.

PREPARATION OF THE SUBSTRATE

EXISTING OR PREVIOUSLY PAINTED SURFACES

If existing coatings do not demonstrate good adhesion, remove them by mechanical means; if removal is not deemed necessary, open the pores by shot blasting, grinding or thorough sanding.

APPLICATION CONDITIONS

Substrate temperature	Min. +10°C / Max. +35°C
Ambient temperature	10°C / 35°C
Dew Point	The substrate temperature must be at least 3°C above the dew point to reduce the risk of flaking or efflorescence.

APPLICATION SYSTEM

System	Product	Yield	Dilution	Coats
PRIMING	TKROM 3C WATER-BASED EPOXY PRIMER	8-10 m²/kg (40 dry microns)	5-15% DEPENDING ON THE APPLICATION METHOD TAP WATER	1 or 2
FINISH	TKROM ESMALTE EPOXI 2C WATER-BASED EPOXY FLOOR ENAMEL	12-14 m²/L - 6-8 m²/kg (40 dry microns)	5-20% DEPENDING ON THE APPLICATION METHOD TAP WATER	1 or 2

APPLICATION RECOMMENDATIONS

Product preparation:	Add the base AND the catalyst in that order and mix them using a low-speed mechanical stirrer (250-450 rpm) until completely homogenised; then add the reactive thinner and stir again until fully incorporated.
Application method:	It is important to follow the order of addition as described. Mix in a ratio of 2:1:1 by weight (Base:Catalyst:Reactive diluent). It can be applied with a brush or a short-pile roller. Allow at least 24 hours and no more than 48 hours to elapse before applying the top coat. The product must not be applied once the specified pot life of 2-2.5 hours at 20°C has elapsed.

ADDITIONAL INFORMATION

Health and safety	For any information regarding safety issues relating to the use, storage, transport and disposal of waste from this product, users should consult the labelling and the latest version of the Safety Data Sheet, which contains physical, ecological and toxicological data, as well as other relevant information on this subject. WASTE: NON-HAZARDOUS LER CODE: 080112
Storage	The product will remain stable in its original, unopened packaging at ambient temperatures not exceeding 30 °C or falling below 5 °C for 12 months from the date of manufacture. The product must be stored in a cool, dry place, in its original, tightly sealed, undamaged packaging, protected from frost and direct sunlight.
Tariff heading	TARIC code: 3209 90 00
Note	The data provided in this technical data sheet may be subject to change depending on possible variations in formulation and, in any case, represent indicative values which do not exempt the user from carrying out the necessary tests to ensure the product is suitable for a specific job. For any queries regarding the treatment of the surfaces mentioned above or the painting of other specific materials not covered in this data sheet, please consult GRUPO TKROM's accredited technical staff for the appropriate treatment.

