

Technical Data Sheet

ACE EPOPRIMER 100

DESCRIPTION

ACE EPOPRIMER 100 is a two-component high performance epoxy based primer, 100% solids, and low bubble formation.

ACE EPOPRIMER 100 is formulated without volatile solvents, and it has an excellent adhesion on both cementitious and non cementitious substrates and natural stone.

It has been developed with low viscosity and high gel time to increase adhesion and penetration into the substrates.

The product can be applied by roller, trowel, rubber lip or airless equipment.

FIELD OF APPLICATION

- Recommended as a sealing primer prior to the application of ACE systems based on epoxy, polyurea, polyaspartic or polyurethane, such as ACE PU-100, ACE TOTAL SHIELD, ACE UV SHIELD, ACE SP FLEX, etc.
- Mortar manufacturing: ACE EPOPRIMER 100 can be used as a resin to produce mortars combined with aggregates for the improvement and/or levelling of the substrate.

DRY FILM PROPERTIES

- Excellent adhesion
- Resistance to water, detergents and oils.
- High hardness and good friction and abrasion resistance.
- Dust drying: 3h, Touch-drying: 5 h, Total curing 72 h.
- Coverage: 5 - 6 m² /kg depending on the roughness and irregularity of the substrate.
- Recoatable: Minimum 12 hours, maximum 48 hours at 20°C and 60% RH. After this time it is necessary a light sanding between layers.

Technical Data Sheet

ACE EPOPRIMER 100

PROPERTY	COMPONENT A		COMPONENT B	
Physical state	Liquid		Liquid	
Solid content	100%		100%	
Colour	Transparente		Transparente amarillento	
Densidad	1,1 g/cm³		1,0 g/cm³	
Brookfield viscosity	Temperature °C	mPas	Temperature °C	mPas
	30	200	30	400
Characteristics of the mix	Density: 1,05 g/cm³ Viscosity: 250 mPa·s Solid content: 100%			
Pot life by mass of 100 g	Temperatura °C		Tiempo (minutos)	
	25		15	
Components ratio	4 A:1 B in weight			

APPLICATION

Always homogenise components A and B separately and then mix them manually or with a low speed electric mixer (300 to 500 rpm)

The product can be applied by roller, hand trowel or airless equipment.

The curing time of the primer depends on the temperature and humidity conditions, as high temperatures and low humidity favour drying.

For cleaning of tools and dispensing and application machines, the use of organic solvents such as acetone, light aromatics or butyl acetate is recommended.

In any case, follow the solvent manufacturer's instructions regarding hazards and conditions of use.

Technical Data Sheet

ACE EPOPRIMER 100

Substrate:

The substrate must be clean, free of dust, loose particles or poorly adhered paint and free of grease, rust or any other contaminants that may affect adhesion. In case of working in saline environments, make sure that there is no salt contamination and PH is 9-12.

The substrate must be dry and its temperature must be at least $>3^{\circ}\text{C}$ above the dew point to avoid condensation.

The substrate temperature as well as the air temperature must be between 5°C and 35°C .

Mortar manufacturing: a three-component mortar can be achieved by mixing the epoxy based resins of ace epoprimer 100 and selected aggregates, to a ratio of up to 1:6 especially for jobs requiring high physical and chemical resistance, high adhesion and rapid service.

Always homogenise components A and B separately and then mix them manually or with a low speed electric mixer (300 to 500 rpm) before adding the aggregates and continue mixing with a low speed electric mixer at the suggested rpm. Do not prepare more mortar than what can be used within 30 minutes at 20°C temperature.

The prepared mortar is compacted and applied with a steel trowel, trowel, spatula. In case of thick fillings it is recommended to apply in more than one layer, the thickness of each layer should not exceed 5 cm. To improve the adhesion between layers, sprinkle clean, dry, coarse sand on the first layer while it is still fresh, and before applying the second layer, remove any sand that has not adhered.

PACKAGING

Metal drum 16 KG COMPONENT A + pail 4 KG COMPONENT B

STORAGE

Parts A and B of the ACE EPOPRIMER 100 system should be kept in their original containers stored away from heat, moisture and direct sunlight.

Technical Data Sheet

ACE EPOPRIMER 100

Avoid contact with oxidisable materials such as copper, brass or similar and PVC plastics in boilers and dosing equipment.

If any lag or sedimentation is observed when opening the container, shake mechanically until a homogeneous mixture is obtained and ready for use.

The stability of the product in its original unopened containers at temperatures below 35°C is one year.

WASTE MANAGEMENT

In accordance with the provisions of Law 11/1997 and Article 18.1 of the Regulations that develops “the person responsible for the delivery of the packaging waste or used packaging for its correct environmental management will be the final holder of it.”

WARRANTY AND LIMITATIONS OF LIABILITY

Ace Coatings warrants solely that the quality of the product meets its stated specifications at the time of production and that the product is delivered free of any legitimate third party claims of misuse of US patents associated with the product. Ace Coatings disclaims all other warranties expressed or implied by law or trade practice, including but not limited to any warranty of fitness for a particular purpose or use.

Any claim submitted under this guarantee must be presented by the buyer directly to Ace Coatings, by written communication within a maximum period of 5 days from the detection of the defect, in no case beyond the expiration date of the product, or in any case, no later than 1 year from the date of delivery of the product to the buyer (the earlier option will be valid).

Technical Data Sheet

ACE EPOPRIMER 100

The buyer will not be able to make use of the guarantee if he does not notify Ace Coatings of the non-conformity as indicated above. Ace Coatings shall, in no event and under no circumstances (including negligence of any kind, strict liability or damages), be liable for any indirect, special, incidental or consequential damages related to, arising out of or resulting from any use of the product.

The information contained in this document is for guidance only and is based on laboratory tests that Ace Coatings believes to be reliable.

Ace Coatings may change the information contained in this document at any time as a result of its practical experience and continuous development of the product. All recommendations or suggestions relating to the use of Ace Coatings products, whether issued in the form of technical documentation in response to a specific inquiry or otherwise are based on data which, to the best of Ace Coatings' knowledge, are reliable. The product and related information are designed for users with the necessary knowledge and qualifications required by the industry. It is the responsibility of the user to verify the suitability for the specific use and application in each case; the buyer is considered to have made the necessary verifications at his own risk; Ace Coatings has no control over the quality or condition of the substrate, or any factor affecting the use and application of the product. Accordingly, Ace Coatings accepts no liability

for any loss, injury or damage resulting from the use of the product or this information (unless otherwise agreed in writing). Variations in application environment, changes in usage procedures or extrapolation of data, the results could be unsatisfactory. This document will prevail over any previous version; the purchaser should ensure that this information remains current before using the product and the English version of this document shall prevail over any translation.

Technical Data Sheet

ACE EPOPRIMER 100

NOTE: The information contained in this technical sheet may be modified based on possible formulation variations and in any case corresponds to the current state of our knowledge and is given in good faith, but without guarantees about the final results since these depend on the conditions of use, which are beyond our control. These data do not exempt from carrying out the appropriate tests of suitability of the product for a certain job. This technical sheet replaces any other with a previous date related to the same product.