

PRIMER EA

Latest generation solvent-free two-component 2k epoxy primer for internal and external use.



Product identification

PRIMER EA is a primer based on latest generation, solvent-free two-component epoxy resins, for the preparation of supports for the subsequent installation of epoxy or polyurethane resins and self-levelling cement mortars, or can be used as a protection and coating for industrial and civil floors in concrete and tiles and cementitious substrates.

PRIMER EA, thanks to its solvent-free formulation, allows the operator to work safely by significantly reducing exposure to chemical agents harmful to health.

PRIMER EA is formulated with raw materials free of solvents, formaldehyde and with very low VOC emissions, as well as being quartz and APEO FREE.

Preparation of the support

- ❖ Concrete surfaces must be free from rising damp and the humidity of the support must not exceed 4%, as well as not having salty efflorescence, dust, grease, loose parts and any situation which would compromise good adhesion.
- ❖ Ensure that the concrete support has a minimum compressive strength of 25 N/mm² and 1.5 N/mm² tensile strength.
- ❖ In case of presence of deeply penetrated oils and greases on the support, the polluted parts must be removed and remediation carried out.
- ❖ Carefully removes every trace of dirt and makes the surface rough and absorbent, then vacuuming up the surface dust.

Instructions of use

- ❖ Combine the two components A and B at the time of use in the proportions indicated in the technical table below.
- ❖ Mix component A and add the contents of component B, mix everything with a suitable mixer at low speed for at least 2 minutes to homogenize.
- ❖ PRIMER EA is applied evenly with a smooth spatula or squeegee or roller, then while the surface is still fresh, spread SILICEA in the desired grain size in order to obtain perfect adhesion of the subsequent coating.

Warnings and precautions for use

- ❖ Comply with current regulations and national provisions.
- ❖ Do not dilute with solvents or water.
- ❖ Do not apply on damp substrates or those subject to rising humidity.
- ❖ Do not apply on surfaces that are crumbly, dusty or contaminated by oil, grease and dirt in general.
- ❖ Do not expose the product to strong heat sources.
- ❖ Do not mix the components partially or differently from what is indicated in the technical table below.
- ❖ Do not use space heaters with hydrocarbon fuels as the carbon dioxide and water vapor released could compromise the aesthetic quality of the finish.
- ❖ In case of contact with aggressive chemicals, remove them immediately from the surface.
- ❖ Use specific products for cleaning the covering.
- ❖ The difference between the temperature of the support and the dew point must never be less than 3°C.
- ❖ Protect from water for at least 24 hours.
- ❖ For any further information, contact our EDMEC technical service.
- ❖ Product for professional use.

Indication for preparation and safe installation

Part B is irritating to the eyes.

Both parts A and B can cause sensitization in contact with the skin in predisposed individuals.

During application, it is recommended to use gloves and protective glasses and to use the usual precautions for handling chemical products.

Rinse with plenty of water in case of contact with eyes or skin and consult a doctor.

Do not dispose of the product in the environment.

It is recommended to consult the latest version of the safety data sheet for further information.

Cleaning

Cleaning of tools and any product residues from surfaces must be carried out with water on fresh product.

Once hardened, the product can only be removed mechanically.

Packaging

❖ Component A: 10 Kg

❖ Component B: 10 Kg

<u>Description</u>	<u>Data (+23°C & 50% U.R.)</u>	
<u>Apparent density</u>	Component A: 1,65 Kg/L ± 5% Componente B: 1,00 Kg/L ± 5%	
<u>Density of the mixture</u>	1500 Kg/m ³ ± 5%	
<u>Mixing ratio</u>	Component A: Component B = 1 : 1	
<u>Duration of the dough</u>	~ 30 min.	
<u>Mixture viscosity</u>	1100 mPa·s	
<u>Dry residue</u>	~ 100 %	
<u>Operating temperature</u>	+8°C ÷ +35°C	
<u>Indicative yield</u>	0,3 – 0,7 Kg/m ² depending on the support	
<u>Color</u>	Componente A: neutral Componente B: straw yellow	
Mixture characteristics A+B		
<u>Set to light foot traffic</u>	24 h	
<u>Ready for use</u>	7 days	
<u>Dust-free drying</u>	6 h	
<u>Shore D hardness</u>	75	
<u>Compressive strength</u>	50 N/mm ²	EN 196-1
<u>Adhesion strength</u>	2,56 N/mm ²	UNI EN 13892-8; 2004
<u>Reaction to fire</u>	B – s1	EN 13501-1
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For additional technical information:

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