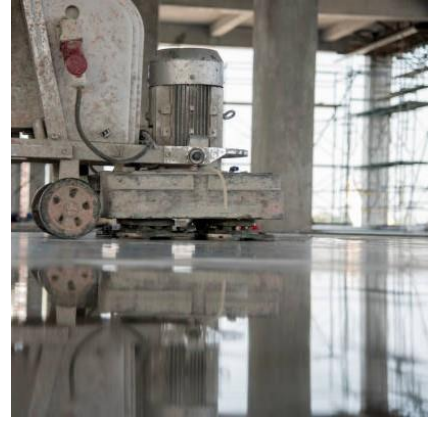


EDMOFLOOR EA 100

Latest generation solvent-free two-component epoxy binder with medium flexibility for internal and external use.



Product identification

EDMOFLOOR EA 100 is a binder based on latest generation, solvent-free two-component epoxy resins with a special formulation which, when the product is dry, increases its resistance to water and climatic cycles.

Its moderate flexibility makes it less susceptible to deformations that could occur in the presence of settlements, deflections of floors and thermal expansions without compromising the excellent resistance that distinguishes epoxy resins.

EDMOFLOOR EA 100 is suitable as a primer for subsequent epoxy or polyurethane-based coatings, as an adhesion promoter for synthetic mortar floors and for the creation of resinous mortars with a moist earth consistency through the addition of siliceous aggregates, which can be used as a screed or for shaving on even degraded surfaces.

EDMOFLOOR EA 100, thanks to its solvent-free formulation, allows the operator to work safely by significantly reducing exposure to chemical agents harmful to health.

EDMOFLOOR EA 100 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.
- ❖ Carefully removes every trace of dirt and makes the surface rough and absorbent, then vacuuming up the surface dust.

Ways 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 and until homogenised.
- ❖ To create a resinous mortar, add a mixture of siliceous aggregates of controlled grain size from the SILICEA series to the mix based on the desired use.
- ❖ if EDMOFLOOR EA 100 is used as a primer for subsequent resin coatings, it can be spread with a roller in 1-2 coats until the support is completely saturated and in the case of worn or rough surfaces it can be added with SILICEA 0.5 up to a 1:1 ratio in order to create a resinous mortar to be spread with a smooth steel spatula, smoothing the surface.
- ❖ If using EDMOFLOOR EA 100 as an adhesion promoter for resin mortar coatings, apply the product generously with a roller until the support is saturated and then apply the resin mortar fresh on fresh with an aluminum straightedge, distributing it evenly.
- ❖ While the mixture is still fresh, compact and smooth using a smooth American trowel or a mechanical trowel (helicopter), finally obtaining a porous surface which can be smoothed with polyurethane resin with solids content such as EDMOFLOOR AP 300.
- ❖ If you want to obtain a non-slip finish, fresh on fresh, it is advisable to spread EDMEC SILICEA evenly by seeding with an appropriate grain size based on the roughness you want to obtain.
- ❖ For use as an intermediate base primer where subsequent colored epoxy or polyurethane finishes are envisaged, spread EDMEC SILICEA or the pre-coloured ceramised sands of the EDMEC INERT COLOR series of appropriate grain size based on the roughness you want to obtain.

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.
- ❖ When exposed to sunlight, coatings may show color variations or fading, without affecting their performance.
- ❖ Due to aggressive chemical substances, the coating may show variations in appearance and color, but a color change alone is not a sign of a chemical attack.
- ❖ 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.
- ❖ or any further information, contact our EDMEC technical service.
- ❖ Product for professional use.

Indication for preparation and safe installation

Part A is irritating in contact with the skin and eyes, part B is corrosive and can cause eye damage and is also harmful if ingested. 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>Dati (+23°C & 50% U.R.)</u>
<u>Apparent density</u>	Component A: 1,20 Kg/L ± 5% Component B: 1,00 Kg/L ± 5%
<u>Density of the mixture</u>	1100 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>	1000 mPa·s
<u>Dry residue</u>	~ 100 %
<u>Operating temperature</u>	+8°C ÷ +35°C
<u>Indicative yield</u>	-Primer for subsequent resin coat: 0,2-0,3 Kg/m ² per coat -Adhesion promoter for resinous mortar: 0,5-0,7 Kg/ m ² per coat -Binder for mixing smoothing mortar: 0,5-0,7 Kg/ m ² per coat -Binder for epoxy mortar: 0,15-0,17 Kg/ m ² per mm of thickness With use of SILICEA 1.5: 1,5-1,7 Kg/ m ² per mm of thickness
<u>Color</u>	Component A: neutral Component B: yellow straw

Characteristics of the A+B mixture		
<u>Set to light foot traffic</u>	~ 12 h	
<u>Ready for use</u>	~ 7 days	
<u>Dust-free drying</u>	2-4 h	
<u>Shore D hardness</u>	80	
<u>Adhesion strength</u>	≥1,50 MPa	UNI EN 13892-4
<u>BCA wear-resistance</u>	13 μm	UNI EN 13892-8;2004
<u>Impact strength</u>	16 Nm	UNI EN ISO 6272
<u>Fire reaction class</u>	E	EN 13501-1
Final performances of the mortar made with EDMOFLOOR EA 100 and SILICEA 1.9 – 1:10 by weight		
<u>Flexural strength after 7 days</u>	17 N/mm ²	
<u>Compressive strength after 7 days</u>	50 N/mm ²	
<u>Fire reaction class</u>	B s1	
<p><i>The information contained in this sheet is the result of knowledge and tests available at the date of publication. DM SRLS UNIPERSONALE does not assume any responsibility for damage to persons or property resulting from improper use of such information and reserves the right to modify the data without notice.</i></p>		

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