



Advanced  
Pavement  
Systems



Certified Quality System since **FEBRUARY 1993**

## From Project to Jobsite

### Primer for topcoats for concrete floors and protective coatings

## Tecnofix EP 110 EC

Description		Two-component primer, based on epoxy-amine resins, not filled, solvent free, curing in ambient conditions.
Characteristics		Easy application Optimal wetting of the substrate Good adhesion Fast, ideal for low temperatures
Use		In industrial and civil buildings, as adhesion promoter in the application of concrete floors finishes and protective coatings.
Application		<i>Tools:</i> haired roller or brush, wide and narrow (15 mm) or airless spray with nozzle 21/24 and with the help of the roll. <i>Temperature of application:</i> 10 ÷ 35 °C and relative humidity of max 60 %. <i>Clean tools with:</i> epoxy diluents.

## APPLICATION METHOD

### SUBSTRATE PREPARATION

Prior to proceeding with the application of the protective coatings, it is necessary to verify the condition of the cementitious substrate: verifying in clean and absent of oil traces, grease, delaminating particles, free from cracks and discontinuities. Continue with the preparation of the substrate choosing the best suited procedure accordingly:

- Elimination with proper equipment of the superficial dust when the substrate seems in good condition. Recommended are vacuum aspiration and/or washing with pressured water;
- Repair or level with cement based mortars or resin based materials, when the substrate has cracks or anomalies. In any case, work only on de-dusted and cohesive substrates;
- Sandblast or grinding in case of un-cohesive parts.

Avoid the application on substrates contaminated with oil and/or greases.

### APPLICATION

Make sure the room is well ventilated and follow the recommendations stated in the Material Safety Data Sheet on the use of PPE (Personal Protective Equipment).

Proceed with the application of **Tecnofix EP 110 EC** as follows:

- Pour component B into component A and mix for 2-3 minutes or until a completely homogeneous mixture with a suitable drill mixer at low speed.
- Apply with the aid of a short hair roller or, in the case of very large surfaces, airless spray.
- Always wait for the drying of the film applied before proceeding with the second coat or final protective coating.

**IMPORTANT:** if the ambient temperature and that of the support are less than 15°C is necessary to heat separately the two components of the product at a maximum temperature of 30°C (e.g. in a bain marie) so as to maintain a low viscosity and to obtain a better applicability.

**Do not apply at temperature below 10 ° C.**



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### APPLICATION CONDITIONS

Temperature of substrate: +10 °C / +35 °C  
 Humidity of substrate: < 3%  
 Ambient temperature: +10 °C / +35 °C  
 Relative humidity ambient: max 60%  
 Dew point: the substrate and the product must be at a temperature of minimum 3 °C above the dew-point to reduce the risk of condensation.

### PACKAGING

Supply - kg

component	a	b	a+b
Pail	5	2,5	7,5

### STORAGE

Store the original and unopened packaging at a temperature between + 5 °C and + 35 °C. Product can be kept 12 months from the production date.

### TECHNICAL CHARACTERISTICS

APPLICATIVE CHARACTERISTICS at 20 ± 2 °C	Test method	Unit of measurement	Typical values
Mixing ratio in weight	-	A : B	100:50
Consumption per layer	-	g/m <sup>2</sup>	200÷300
Final dry thickness (per 200 g/m <sup>2</sup> )	EN 1062 -1	μ	~ 185
Specific weight	EN ISO 2811-1	kg/l	~ 1,08
Viscosity Brookfield LV	EN ISO 3219	mPas	600 ± 100
Pot life	EN ISO 9514	minutes	50 ± 10
Workability time	EN ISO 9514	minutes	30± 10
Touch dry	I – 54 (intern)	hours	± 5
Completely hardened	-	days	7
Adhesion direct pulling on concrete (tested on all cycles)	EN 1542	N/mm <sup>2</sup>	> 4
		Type of failure	A = failure in concrete

The above data are based on our actual and most experienced practical and laboratory knowledge and the results are collected from application of the product in different situations. Tecnochem Italiana does not assume any responsibility regarding inadequate or negative performance as a result of improper use of the product or for defects deriving from factors or elements other than the quality of the product including improper storage. The technical characteristics and performance mentioned in this datasheet are updated periodically. The revision dates and number of revision of the datasheets are listed in the table below. Eventual variations are traceable on our website [www.tecnochem.it](http://www.tecnochem.it) where the most updated datasheets can be retrieved.

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