



**Advanced  
Pavement  
Systems**



Certified Quality System since **FEBRUARY 1993**

## From Project to Jobsite

### Primer for finishing coats for concrete pavements and protective coatings

## Tecnofix EP 170

*Description*

Epox-poly-ammino two components primer, filler charged, solvent free, which cures at room temperatures.

*Characteristics*

Easy spreading and application.  
Excellent wetting properties.  
Good adhesion even to wet or with no superficial water substrates.

*use*

For the preparation (base-coat) on cement based substrates with good mechanical resistance but with discontinuous or irregular surface (micro-cracks, voids) before floor finishes or protective coatings. For industrial or civil applications.

*Application*

*tools:* short haired roller, alternatively long and wide brush (15mm), or by airless spray equipment with nozzle 21/24 and roller.

*Total thickness:* 200 ÷ 300 µm.

*Temperature of application:* 10 ÷ 35 °C and relative humidity of max 75 %.

*Clean tools with :* epoxy diluents.

### METHOD OF USE

#### PREPARATION OF THE SUBSTRATE

Prior the application of the protective coatings, it is necessary to verify the condition of the cementitious substrate: it must be clean and oil free, without fats, delaminating particles and free from cracks and discontinuities. The preparation of the substrate should be done choosing the proper following procedures:

- Elimination with proper equipment of the superficial dust when the substrate seems in good condition. Vacuuming and/or washing with pressured water is always recommended.
- Repair or level with cement based mortars or resin based materials, when the substrate has cracks or anomalies. In any case, apply the coating only on de-dusted and sound substrates;
- Sandblast or shotblast with steel abrasive grit is needed in case of not-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).

Continue with the application of **Tecnofix EP 170** as follows:

- Pour component B in component A and mix for 2-3 minutes, or till complete homogenisation of the mix, using a suited drill with whip.
- wait 10 – 15 minutes (induction time) before applying, using a short haired roller or, for big surfaces, an airless spray equipment.
- wait till drying of the film, than proceed with the second layer.

**IMPORTANT** : when the temperature of the ambient and the substrate are less than 15°C, it is necessary to heat separately the 2 components of the product to a maximum temperature of 30°C (eventually en bain-marie) in order to maintain the low viscosity and the better applicability.

#### DO NOT APPLY AT TEMPERATURE LOWER THAN 10°C.

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Primer for finishing coats for concrete pavements and protective coatings I –  
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**TECNOCHEM ITALIANA S.p.A.**  
24030 BARZANA (BERGAMO) ITALY – VIA SORTE 2/4,  
TEL. \*\*39 035 55.48.11 – TELEFAX \*\*39 035 55.48.16  
E-mail: info@tecnochem.it- www.tecnochem.it



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### APPLICATIVE CONDITIONS

Temperature of substrate	:+10°C / +35°C
Humidity of substrate	:≤ 4%
Ambient temperature	:+10°C / +35°C
Relative humidity	:max 75%
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	10	4	14

### 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
Stoichiometric ratio in weight	-	A : B	10 : 4
Specific weight	EN ISO 2811-1	kg/l	~ 1,30
Brookfield viscosity	EN ISO 3219	mPa s	3200 ± 700
Consumption	-	g/m <sup>2</sup>	300 (or more depending on the roughness of the substrate)
Final dry thickness (300 g/m <sup>2</sup> )	EN 1062 - 1	μ	~ 230
Pot life	EN ISO 9514	minutes	100 ± 20
Workability time of the mix	EN ISO 9514	minutes	60 ± 10
Touch dry	I - 54 (internal)	minutes	~ 6
Complete dry	-	days	7
Adhesion to concrete , direct pull-out (tested in Tecnoriv EP 400 cycle)	EN 1542	N/mm <sup>2</sup>	> 4
Adhesion direct pull-out on humid concrete (tested in Tecnopav EP 410 cycle)	EN 1542	Type of failure N/mm <sup>2</sup>	A (concrete failure) > 3
		Type of failure	A (concrete failure)

The above information is based on our best experiences and lab results and on results of the application of the product in various fields. Tecnochem Italiana is not responsible for negative performances due to not proper use of the product or for defects due to elements not connected with the quality of the product included wrong storage.

Technical characteristic in this technical data sheet are up-to-dated periodically .Revision date of this technical data sheet is indicated below. Changes of this data sheet can be found in our web-site [www.tecnochem.it](http://www.tecnochem.it) where you can find the same technical data sheet updated in real time.

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