

TECNOPAV EH 1000

Three Part Water Based Epoxy Cementitious Self Smoothing Floor Screed



Tecnopav EH 1000 is an epoxy – cementitious three component system, charged with fillers, in water based emulsion, which cures at room temperatures.

Uses

As adhesion promoter (key coat) on irregular cement based substrates, as part of the applicative sequence for finishing pavements, and protective coatings - in industrial and civil buildings - in reservoirs and ducts in concrete, especially when in the stratum or underground, in presence of a vapour barrier.

Benefits

- Can be easily applied by spatula or trowel
- Good adhesion even on humid substrates, without free water on the surface
- Coating with good water vapour permeability

Technical Support

Thermax offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, and dedicated specification support in locations all over the world.

Properties

Specific Gravity	1.83 kg/l
Compressive Strength at 28 days (BS 6319 Part 2)	45 N/mm ²
Flexural Strength at 28 days (BS 6319 Part 3)	13.1 n/mm ²
Water Absorption (BS 1881 P 122)	0.67%
Slant Shear Strength (BS 6319 Part 4)	6.61 N/mm ²
Abrasion Resistance (IS 1237- 1980)	2.93 mm
Bond Strength at 28 days	3.1 N/mm ²
Application Thickness	2 mm
Pot Life at 30°C	20-30 minutes
Touch Dry Time	4-5 hours

Instructions for Use

Preparation of the Substrate

Prior to 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.

Temperature of Substrate: +10°C / +35°C

Humidity of Substrate: < 4%

Ambient Temperature: +10°C / +35°C

Relative Humidity: Max 80%

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.

Application

The working area must be well ventilated and please follow the safety instructions as noted in the Material Safety Datasheet. Continue with the application of Tecnopav EH 1000 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 on a low speed.

Add slowly, under mixing, the component C and mix till complete homogenisation, ensuring that that no lumps are remaining. If better trowelling properties of the material are required, it is possible to add 1-2 % of water. Wait always till drying of the applied layer before proceeding with the application of the final protective coating.

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Limitations

Tecnopav EH 1000 should not be applied when temperatures are 10°C and falling or when the relative humidity is more than 80%.

Health & Safety Instructions

Contact with skin and eyes should be avoided. Use of gloves, goggles and masks are recommended. If contact with skin occurs it should be washed with plenty of water and soap. Do not use solvent. In case of eye contact wash with clean water and seek medical advice.

Cleaning

Tools and equipment should be cleaned immediately by flushing with water. Cured material can only be removed by mechanical means.

Storage

Tecnopav EH 1000 has a shelf life of 12 months. When stored under normal warehouse conditions in unopened containers.

Packing

Tecnopav EH 1000 is supplied in 12 litre packs.
Cleaning Sol- 5 & 20 ltr

Coverage

Tecnopav EH 1000 gives a coverage of 6 sqm per pack at 2mm thickness. However the actual coverages will vary depending on the substrate conditions.

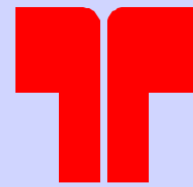
Note: Coverage figures given are theoretical - due to wastage factors and the variety and nature of substrates, practical coverage figures may be reduced, this will vary with site and application conditions.

Other Segments:

- Concrete Admixtures • Surface Treatments • Grouts & Anchors • Repair & Rehabilitation
- Protective Coatings • Industrial Flooring • Waterproofing • Sealants • Adhesives

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