

TECFLOOR™ PR

Epoxy resin based primer for concrete surfaces

Tecfloor PR is a solvent free two component epoxy based primer with good penetrating properties for concrete surfaces.

Uses

Tecfloor PR is suitable for priming concrete surfaces prior to the application of any of the Tecfloor ET 1000-4000, EC/ES range of resin based floor toppings, TGuard range of epoxy protective coatings and epoxy mortars

Benefits

- Can be applied even on damp surfaces
- Improves the adhesion of epoxy floor toppings and mortars with the substrate.

Technical support

Thermax provides a countrywide technical advisory service supported by a team of specialists in the field.

Properties

	20°C	30°C
Pot life	90 mins	30 mins
Mixed Density @ 25°C	: 1.15-1.17 kg/ltr	
Adhesive bond strength with concrete	: 4 N/mm ² (ASTMD 4541)	

Instructions for use

Surface Preparation

Thorough surface preparation is vital. For best results Thermax recommends mechanical scarifying, grit-blasting, sand blasting) For flooring and tanking works, care must be taken to ensure that the substrate does not suffer from rising dampness. If such conditions exist, consult Thermax.

New concrete floors

Should be at least 28 days old or have a moisture content of less than 5% before proceeding with epoxy application. Laitance and deposits on new concrete floors are best removed by light grit blasting, mechanical scabbling or grinding. On smaller areas thorough etching using etching agent may be considered. After etching, the floor should be thoroughly washed with clean water and then allowed to dry.

Old concrete floors

Again, mechanical cleaning methods are strongly recommended on old concrete floors, particularly where heavy contamination by oil and grease has occurred or existing coatings are present. These may well have been absorbed several millimeters deep into the concrete. To ensure good adhesion all contamination should be removed and the surface

thoroughly cleaned of all dust and loose debris. A thorough detergent wash is also recommended followed by thorough cleaning with clean water and mopping it off to a dry state.

Mixing

Add the entire contents of the hardener tin to the base and mix thoroughly for 3 mins until homogenous using a slow speed drill (400-500) fitted with a suitable mixing paddle

Application

Once mixed the primer should be applied immediately in a thin continuous film to the clean prepared surface. Apply the primer into the surface using a stiff brush or roller. Excess application and puddling should be avoided. On porous surfaces Tecfloor PR will be absorbed very quickly leaving characteristic light coloured dry patches. It is recommended that a second priming coat be applied to these dry areas. This not only helps to ensure good adhesion but also prevents air release from the porous substrate which may cause bubbles in the final epoxy topping later.

For Tecfloor ET 1000-4000 applications, leave the Tecfloor PR to dry overnight. For Tecfloor ES, epoxy mortar and .coats, allow Tecfloor PR to become tacky. Please refer relevant datasheets.

Limitations

Recommended application temperature range is 10°C to 40°C. Thermax shall be consulted where application or service temperature is outside this range.

Health & Safety instructions

Tecfloor PR should not come into contact with skin and eyes or be swallowed.

Some people are sensitive to epoxy resins, hardeners and solvents. Gloves, goggles and barrier creams should therefore be used while handling the product. Adequate ventilation should be ensured and if working in enclosed areas, suitable breathing apparatus must be used. If the resin comes in contact with skin, it must be removed before it hardens with a resin removing cream, followed by washing with soap and water solvent should not be used.

Cleaning Sol should be washed from skin immediately with soap and water. Should accidental eye contamination occur with any of the above products, it should be washed well with plenty of water and medical advice should be sought. If swallowed medical attention should be sought immediately. Vomiting should not be induced.

Cleaning

TECFLOOR™ - PR

All tools and equipments should be cleaned with solution immediately after use. Spillages should be absorbed with sand or sawdust and disposed off in accordance with local regulations

Fire

Cleaning sol, Tecfloor PR are flammable. Do not expose to naked flames or other sources of ignition. Do not smoke while handling the material. Containers should be tightly sealed when not in use. In the event of fire, extinguish with CO₂ or foam type extinguishers.

Flash Point

Cleaning Solution	33 °C
Tecfloor PR	25 °C

Storage

Tecfloor PR has a shelf life of 12 months when stored in unopened containers under normal warehouse conditions.

Packing

Tecfloor PR is available in 1 and 4 litre packs.

Coverage

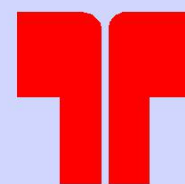
Approximate coverage rate 5.5-6.5 m² /ltr

Other segments :

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

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