

MAXSHIELD[®] PRIMER

Epoxy Resin Based Primer for Concrete Surfaces



MAXSHIELD[®] PRIMER is a solvent free two component epoxy based primer with good penetrating properties for concrete surfaces.

Uses

MAXSHIELD[®] PRIMER is suitable for priming concrete surfaces prior to the application of PU based waterproofing range.

Benefits

- Seals all the micro pours on the concrete surface.
- Improves the adhesion of Poly urethane based water proofing with the substrate.

Technical support

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

Properties

Pot life @ 27°C	30 min
Mixed Density @ 25°C	1.09-1.14 gm/cc
Adhesive Bond Strength with concrete (ASTMD 4541)	>2 N/mm ²

Instructions for use

Surface Preparation

Thorough surface preparation is vital. For best results Thermax recommends mechanical scarifying, grit-blasting and 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

Surface 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 grinding. For smaller areas cleaning with wire brush is also recommended.

Old concrete floors

Again, mechanical cleaning methods are strongly recommended for old concrete. The surface should be thoroughly cleaned of all dust and loose debris.

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 to 500 rpm) 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 MAXSHIELD[®] PRIMER 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 water proofing coating.

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

MAXSHIELD[®] PRIMER 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 is 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

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

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Fire

Cleaning sol & MAXSHIELD[®] PRIMER 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
MAXSHIELD[®] PRIMER : 25°C

Storage

MAXSHIELD[®] PRIMER has a shelf life of 12 months when stored in unopened containers under normal warehouse conditions.

Packing

MAXSHIELD[®] PRIMER is available in 1 and 4 ltr packs.

Coverage

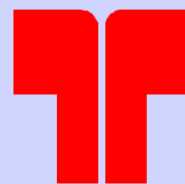
Approximate coverage rate 5.5-6.5 m² /ltr.

Other Segments:

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

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