

PRODUCT DATA SHEET
RETEK EPOXY CONCRETE PRIMER

Description:

Retek Epoxy Concrete Primer is a two-component solvent based epoxy concrete primer. Retek's Epoxy Concrete Primer is a preparatory coating you apply to provide better adhesion by penetrating into the concrete substrate for a better bond. Clear in colour.

Recommended uses:

Remember; preparation is key! (Please read through our application process)

Retek's Epoxy Concrete Primer consists of two parts; Part A (product), Part B (hardner) and should be mixed at a ratio of Part A 4:1 Part B. Do not cross mix Primer / Epoxy / Poly Urethane hardeners, as they are not the same product.

It is recommend to use Retek's Epoxy Concrete Primer as a preparatory coating on raw concrete for Retek Heavy Duty Epoxy / Retek Poly Urethane .

Suitable as a preparatory floor and wall coating on concrete substrates.

Product Properties:

- Easily applied by Mohair Roller / Epoxy Pile Roller, brush, spray and airless spray.
- Water resistant
- +/-125 Microns thick coating depending on penetration into substrate.
- Available in a clear colour.

- **Technical Data:**

Colour	Available in clear
Finish	Gloss finish (depending on penetration)
Mix Ratio	4 : 1
Activator	Retek Epoxy Primer – Part B (Hardner)
Typical Film Thickness	+/-125microns thick per coat (applied by roller, depending on penetration)
Theoretical Coverage	1kg – +/- 5 sqm at +/- 125 microns; (applied by roller) 5kg – +/- 25 sqm at +/- 125 microns; (applied by roller) 25kg – +/- 125 sqm at +/-125 microns (applied by roller)
Method of Application	Brush, Mohair / Epoxy Pile Roller, spray and airless spray
Number of Coats	We recommend 1 coat Epoxy Primer (helps create a pinhole free coating), but if the surface "drinks" a lot of the primer we recommend a second coat.

Surface Preparation:

Remember; **Preparation is key!** The coating can only be as good as the surface it is bonding to. Good floor preparation is essential and will ensure that your Retek Epoxy Floor Coating looks great and lasts for years.

Surfaces must be clean, dry and free from oil's, grease, rust, dirt and any loose particles.

New concrete should be allowed to cure for 28 day's (cold weather and humidity may have an effect on drying time). Power floated or hand troweled smooth (not polished), concrete is ideal for light traffic areas but diamond grind (surface grind) is ideal for long lasting performance on heavy traffic or abrasive areas. If concrete surface is not smooth use concrete surface grinder.

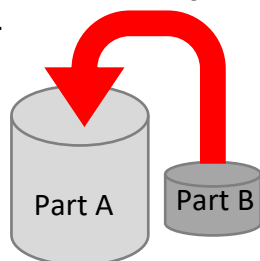
Identify any cracks, holes and joins in the surface. Please remember that primer/ epoxy / poly urethane is not intended to fill cracks / joins / level out uneven surfaces or hide imperfections in the substrate it is applied to. Concrete floors have joints and seams which allow for movement and expansion. Fill joints with joint sealer. Fill cracks and holes with Polycell Rock set. Allow filler materials to dry and then sand down to a flat surface with 60-80 grid sand paper.

Please refer to Retek's Application Process for more surface preparation information.

Application:

Retek's Epoxy Concrete Primer consists of two parts; Part A (Product), Part B (Hardner) and should be mixed at a ratio of Part A 4 : 1 Part B.

Mix Part B into Part A and stir well with a flat paddle or electric mixer. Try not to air rate the mixture to prevent foaming. Stir frequently to keep the chemicals from separating during the application.



Once mixed leave for 5 to 10 minutes and then start with the application. Ideal application temperature is 21°C.

Easily applied by Mohair Roller / Epoxy Pile Roller, brush, spray and airless spray. Use a brush for along edges, corners and touch ups.

Pot Life – Once mixed use within 2 hours.

Drying Information:

Wait 24 hours for the floor to dry, test the floor before you walk on it, cooler weather may take longer to dry.

- 24 Hours Touch dry at +/- 20°C

Pack Size:

1kg Primer Two Part Kit:	
0.800kg	Epoxy Primer
0.200kg	Hardner

5kg Primer Two Part Kit:	
4kg	Epoxy Primer
1kg	Hardner

25kg Primer Two Part Kit:	
20kg	Epoxy Primer
5kg	Hardner

Storage:

- Store in dry conditions out of direct sunlight, away from sources of heat or ignition.
- Shelf Life: 3 months minimum at 25°C from date of manufacture.

Safety instructions

Flammable liquid. Harmful or fatal if swallowed. Keep out of reach of children. Protect bare skin areas with gloves and other protective clothing. Use only with adequate ventilation. Inhalation of vapors must be avoided. Use an air respirator / full face mask. Do not pour leftover material into drain. Keep unwanted material in sealed container for disposal via special chemicals waste collections

Keep out of reach of children.

First Aid

If swallowed, do not induce vomiting. Drink water and seek medical help or contact Poisons Information Centre. If in eyes, flush with water for at least 15 min. Contact physician if necessary.

Product of Rock Hard Resins (PTY) LTD

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