

PRODUCT DATA SHEET

RETEK POOL EPOXY COATING

Description:

Retek's Pool Epoxy is a two-component solvent-based epoxy. Retek's Pool Epoxy is designed to provide an attractive protective coating to concrete swimming pools, which are easy to clean and maintain. We offer a variety of colours, which comes in a pre-measured kit form.

Recommended uses:

Use Retek Epoxy in concrete swimming pools.

First apply Retek's Concrete Epoxy Primer and then Retek's Pool Epoxy Coating in concrete pools.

- **Caution** dropping sharp and or heavy objects could cause damage to the coating and the substrate and will not be seen as paint failure.

Suitable as a floor and wall coating in the following areas:

- Swimming Pools
- Splash Pools
- Koi / fish ponds (non-toxic once painted has fully cured, 7 days)

Product Properties:

- Easily applied by Mohair Roller / Epoxy Pile Roller, brush, spray and airless spray.
- High durability coating with excellent mechanical strength. (Dropping sharp and or heavy objects could damage the coating and the substrate)
- Cures to a tough coating, that takes years of wear.
- Water resistant
- Resistant to normal household cleaning chemicals.
- 250 Microns floor thick coating, on the wall 2 coats of +/- 125 microns each, to ensure product does not run. (each layer applied with roller)
- Available in a variety of different colours. View our RAL colour chart

Technical Data:

Colour	A variety of colours, view Retek's RAL colour chart.
Finish	Gloss finish
Mix Ratio	4 : 1
Activator	Retek Pool Epoxy – Part B (Hardner)
Typical Film Thickness	250microns thick per coat (applied by roller)
Theoretical Coverage	5kg – 10 to 12 sqm; 25kg – 60sqm (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), and then 1 coat Pool Epoxy on floor and two thinner coats to ensure that the product does not run.

Surface Preparation:

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

Surfaces must be clean, dry and free from water, 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.

Identify any cracks, holes and joins in the surface. Please remember that primer/ epoxy is not intended to fill cracks / joins / level out uneven surfaces or hide imperfections in the substrate it is applied to.

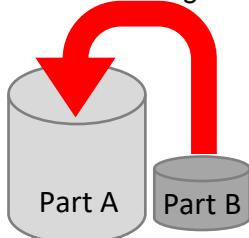
Mix 10% pool acid in a plastic bucket with water, roll the acid solution onto the surface with a paint roller, scrub the surface with a scrubbing brush, rinse with clean water and allow to dry properly.

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

Application:

Retek's Pool Epoxy 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 along edges, corners and touch ups.

To Thin Retek's Pool Epoxy to spray only use Retek's Industrial Thinners.

Pot Life – Once mixed use within 2 hours.

Drying Information:

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

- 24 Hours Touch dry at +/- 20°C
- Full curing time 7 days, however low temperatures, thickness and number of coating layers can extend curing time up to 21 days.
- Fill pool after 7 days.

Pack Size:

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

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

25kg Pool Epoxy Two Part Kit:	
20kg	Pool Epoxy
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 T/A Retek Epoxy Coatings

5 Dave Nourse Street, Unitas Park, Vereeniging.