Hitchins 1932 TECHNOLOGIES

Performance Through Technology and Service

Date Issued	
Replaces	

DATA SPECIFICATION

Epotec Hi Build Epoxy Coating (new) Concrete

1.0 **Purpose and Use**: Epotec hi build epoxy coating is designed for use in water immersion situations including swimming pools and spas. It's hard wearing seamless functional coating that imparts a protective surface and comes in a range of decorative colours.

2.0 **Limitations**: Epotec is not a flexible coating and is designed for use in a temperature of range 5 – 35 C. Pool water should be maintained within accepted standards for maximum coating life.

3.0 **Description:** Epotec is a high build epoxy coating which withstands water immersion on a continuous basis. It resists wear, is easy to keep clean and has good uv exposure and chalking resistance. All epoxies including Epotec will yellow slightly and lightly chalk on long term exposure to the elements and lighter colours minimise the effects.

4.0 **Performance**

Solids Content	98 % VV
Nominal Thickness	320 u dft (2 coats)
Chemical Resistance:	Offers good chemical resistant to most acids, alkalis, solvent and fuel. Complete available on request.
Working life:	1- 2 hrs at 25 C
Cure	6 – 8 hrs at 20 C initial, 7 days full cure.

5.0 **Standards Applicable:** There are no specific standards applicable to this material due to its specialised nature.

6.0 **Design Considerations:** Substrates should be true and even, free from all blemishes, holes, contaminants, mortar splashing and laitance. All holes greater than 2 mm should be filled. Control joints are to be true and even for application of sealant as required.

7.0 **Installation:**

7.1 Surface Preparation: All surfacers are to be clean and dry to touch (no standing moisture), oil, grease, release agents, paint and laitance. New cementitious surfaces are to be cured 28 days before commencing any work. Such rendered / plastered surfaces should have a light sponge / wood float finish.

7.2 New cementitious surfaces should be acid etched.

7.3 Masking any adjacent surfaces is recommended. Application is best done as a final trade in the pool area.

7.4 Do not apply if surface temperature is below 10 C or rain is expected within 6 – 8 hours of application.

7.5 Application:

Check material and batch numbers.
Add one Hardener tin into the Resin tin.
Mix by hand until homogenous.
Allow to stand 15 mins minimum.
Apply by roller and brush. Airless spray may be used. Epotec thinners may be added, 8% max to aid application.
Apply first coat at 12 – 15 sq M / pack (depends on surface profile and porosity). Allow to cure 16 – 72 hours.
Apply second coat at 15 – 18 Sq M / pack (depends on surface profile)
A third application may be may be made in high wear areas, such as steps, ledges etc.

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1 **Clean Up**: Clean up tools etc in Epotec Thinners.

2 **Packaging**: Available in 3 and 9 kg Kits.

3 **Warranty:** A Performance Warranty is available when applied using an Approved Applicator of up to 5 years, on a domestic pool and up to 3 years on a commercial pool.

4 **Cleaning and Maintenance**: For best long term results Epotec should be cleaned as needed.

Above Water line: Using a coarse rag or scratch pad, wipe the surface to remove the build up back to the original EPOTEC colour. Do not aggressively abrade the coating.

Below Water Line: Again a build-up of dissolved solids can precipitate onto the surface, making the surface look white. Use the pool brush to sweep the surface, vacuuming to waste, the deposit.

If the pool is emptied and the deposit is obvious an acid wash can remove most of this. Use a suitable broom to help with the cleaning.

5 **Health and Safety** Read the Material Safety Data Sheet (MSDS) and information booklet. Keep away from heat and open flames, keep can closed when not in use. Avoid breathing vapour, use with adequate ventilation. Avoid contact with skin and eyes. If skin contact occurs use warm soapy water to remove. Do NOT use thinner to clean the skin.

6 **Technical Advice:** Further technical advice is readily available from Hitchins including detailed Surface Preparation and Application Procedures.

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