

TECHNICAL DATA SHEET

FORTIS PRIME 820 – Two Part Epoxy, Adhesion Enhancing Primer

ISSUED: January 2016

INTRODUCTION

FORTIS PRIME 820

Is a two component epoxy primer formulated to achieve maximum adhesion to porous, mineral and polymer substrates. This product exhibits both organic and inorganic reactivity, allowing the epoxy to chemically react with inorganic substrates, giving enhanced adhesion characteristics.

USE

Priming concrete, ceramics, glass and timber.

FEATURES

Excellent substrate wetting characteristics.
Extended pot life with relatively short film cure time.
Chemically bonds to siliceous and most polar compounds.
Cures well in humid and cold conditions.

TECHNICAL DATA

Colour	Clear/Amber
Pack Size	5L kit
Mix Ratio	Thoroughly mix in the ratio: By VOLUME: 4 parts Part A to 1 part Part B By WEIGHT: 4.55 parts Part A to 1 part Part B
Coverage Rate	6m ² /L at 150 microns
Dry Time @ 20°C	6 – 8 Hours
Recoat Time	8 – 48 Hours
Service Temperature	0°C – 80°C
Shelf life	12 months unopened, store in cool, dry conditions.

APPLICATION

SURFACE PREPARATION

CONCRETE

- Contaminated surfaces should be cleaned with a suitable solvent to remove organic soil and rinsed with clean water
- Captive abrasive blast for best results.
- Alternatively, proceed as follows
 - Old concrete, where the surface has aged, it should be planed or ground to remove the degraded layer.
 - New surfaces (minimum 21 days) should be well etched to remove surface laitance with suitable cleaner, or 10-15% hydrochloric acid solution (commercial hydrochloric acid is supplied at 33%). Properly prepared surfaces should be similar in texture to 80grit sandpaper.
- Thoroughly wash with clean water to remove reaction by-products and scrub to remove loosened materials.
Water – Blasting
- Allow surfaces to dry.

CERAMIC and GLASS

- Clean contaminated surface with a suitable solvent and wash off residue with clean water.
- Etch glass or glazed ceramics using either 10% hydrofluoric acid or light sandblasting to produce a matted gloss-free surface.

APPLICATION CONTINUED...

PREVIOUSLY COATED SURFACES

- Remove contaminants by using appropriate cleaners before sanding to provide a keyed surface. Selection of cleaner depends on nature of contaminants, and could include solvent, sugar soap, industrial detergents or cleaners, alkaline cleaners or solvents.

APPLICATION

- Thoroughly mix Part A and Part B. Apply to dry substrates, using a short nap roller, wetting out the surface thoroughly and ensuring a continuous film is formed.
- Porous substrates may require several wet on wet applications with the first coat thinned up to 20% with suitable epoxy thinning solvent to aid penetration.

CAUTION:

The cure of epoxy products can be affected by moisture, which reacts with the Part B to give a surface "bloom". This blooming can give a permanent loss of gloss, less than normal chemical and physical resistance at the surface, and affect inter-coat adhesion if over-coated. Take all reasonable steps to minimize the risk of water, moisture, or excessive humidity exposure during the cure period (which may be several days in cold temperatures).

SAFETY

- Wear protective clothing. Gloves are essential. Avoid contact with exposed skin.
- Before commencing work, apply barrier cream.
- Good industrial hygiene should be observed at all times – Appropriate PPE should be worn including impervious gloves & eye wear.

For further information, refer to the Fortis Material Safety Data Sheet. www.fortisadhesives.com.au

Disclaimer

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