

FORTIS PRIME 820



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.

Features and Benefits	<ul style="list-style-type: none"> • Excellent substrate wetting • Extended pot life • Fast film cure time • Chemically bonds to siliceous material • Good low temperature cure • Blush resistant • High solids
Typical Applications	<ul style="list-style-type: none"> • Priming of concrete, ceramics, glass, and timber
Properties	<ul style="list-style-type: none"> • Mix ratio: 4 Parts A to 1 Part B (Vol) or 4.55 Parts A to 1 Part B (weight)] • Work time: 30 minutes • Coverage Rate: 6m²/L at 150µm • Recoat: 8-48 hours • Dry time: 6-8 hours • Final Cure: 7 Days • Number of Coats: 1-2 • Application temperature: 5-35°C • Service temperature: : 0-80°C • Colour Stability: Darkens on exposure to UV
Colours	<ul style="list-style-type: none"> • Clear amber liquid
Pack Size	5L Kit
Shelf Life	12 months @ 25°C unopened
Safety	<ul style="list-style-type: none"> • Refer to Safety Data Sheet prior to use • Good industrial hygiene practices should be observed at all times • Appropriate PPE should be worn including impervious gloves & eye wear
Storage	Store in cool, dry conditions, out of direct sunlight and in a well-ventilated area. Do not store below 5°C or over 40°C
Surface Preparation	<p>Concrete: Substrates should be clean and free of loose material, old coatings, curing membranes, oils, and grease. If applying over existing coatings adhesion should be tested by preparation of a small test area. Remove all potential contaminants. On new concrete surfaces it is best to diamond grind the surface. Old surfaces are best diamond ground but it is possible to etch and clean the surface. Contact Fortis if unsure. New concrete must be cured for a minimum of 28 days prior to application.</p> <p>Ceramic and Glass: Remove contaminants from surface by cleaning with a suitable solvent, then wash with clean water and allow to dry. Glass and glazed ceramics should be etched with 10% hydrofluric acid, or lightly sand blasted to produce a matted surface.</p>
Mixing	Ensure Fortis PRIME 820 Part A and B are shaken prior to pouring and mixing. The mixing ratio for Fortis PRIME 820 is 4 Parts Resin (Part A) to 1 Part Hardener (Part B) by volume; graduated plastic mixing containers are recommended for measuring volumetric quantities. Part B is to be added to Part A and mixed at low speed with a Jiffy style mechanical mixer. Mix only enough material for immediate use. Care should be taken to minimize air introduced during mixing. Mix until a smooth and homogeneous mixture is formed, free of striations. This should take approximately 1

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minute. Ensure material from the bottom and edges of the pail are sufficiently mixed. Let material stand for 1 minute. Mix for an additional minute.

Application	Fortis PRIME 820 can be applied by brush, roller or broom. Mixed material should be poured out in ribbons across the area to be rolled. A 270mm microfibre 5mm NAP roller cover is recommended. For porous substrates, multiple wet on wet applications may be necessary. Fortis PRIME 820 is also suitable as a single coat system for sealing and dustproofing concrete floors.
Clean-Up	Equipment can be cleaned with xylene or acetone immediately after use. Hardened materials must be removed mechanically.
Limitations	Avoid working in conditions that could cause condensation to form on the uncured coating, and giving rise to amine surface “bloom” or “blush”, permanent loss of chemical and physical properties and potential inter-coat adhesion issues.

For further information, including Safety Data Sheets and Technical Bulletins on adhesive applications and surface preparation, refer to the Fortis website www.fortisadhesives.com.au.

Disclaimer - Fortis products should be used in accordance with the information contained herein. Each user should read and consider this information carefully in the context of how the products will be handled and used in the workplace including in conjunction with other products. While the information contained herein is to the best of our knowledge at the date of publication, Fortis makes no representation about the accuracy of the information. If you need clarification or more information, you should contact Fortis Adhesives & Coatings. Fortis products are sold without express or implied warranties, other than as provided by statute, and subject to our standard terms and conditions (provided to customers and available on request). Subject to our standard terms and conditions, and any statutory provisions, Fortis accepts no responsibility (including in negligence) for loss or damage of any nature resulting from the use of Fortis Adhesives & Coatings products or reliance upon the information contained herein.

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Manufacturers of a range of Industrial Adhesives, Floor Coatings and Concrete Repair Systems. From Epoxy to Polyaspartic, Polyurethane to PVA, and with our Industry leading Technical Support, Fortis has you covered.