

FORTIS COAT 823 HS



FORTIS COAT 823 HS is a high solid, high build, two-pack epoxy floor coating designed for applications demanding high structural integrity. This multi-purpose product is suitable for topcoats or seamless epoxy flake base coats, exhibiting excellent adhesion, high durability, and a decorative finish suitable for commercial to heavy industrial applications.

Features and Benefits

- High solids epoxy
- 30-60 min working time
- Easy to roll
- Highly chemical resistant
- Excellent adhesion - self priming
- High build application
- Ideal as base coat

Typical Applications

- Light to heavy industrial
- Domestic projects
- Commercial projects
- Seamless flake flooring

Properties

- Mix ratio: 3 Parts A to 1 Part B (vol)
- Work time: 30-60 minutes
- Film Thickness: 150µm per coat
- Coverage Rate: 5-7m²/L (Do not apply at more than recommend coverage)
- Recoat: 8-24hrs
- Tack free: 6 hours
- Foot traffic: 24 hours
- Vehicle traffic: 72 hours
- Final Cure: 7 Days
- Number of Coats: 1-2
- Colour Stability: Yellows on exposure
- Shore D hardness: 75
- VOC content: <50 g/L of mixed material
- Application temperature: 12-35°C

Colours

- Refer to Fortis Epoxy Colour Chart for range of colours

Pack Size

4L and 16L Kits

Shelf Life

12 months @ 25°C unopened

Safety

- 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

Substrates should be thoroughly sanded or ground to provide a keyed surface. 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, but it is possible to etch and clean the surface. Contact Fortis if unsure.

FORTIS COAT 823 HS is self priming, though improved adhesion can be achieved by use with **FORTIS COAT 823 PRIME**. New concrete must be cured for a minimum of 28 days prior to application.

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Mixing Ensure **FORTIS COAT 823 HS** Part A is mixed thoroughly prior to use. The mixing ratio for **FORTIS COAT 823 HS** is 3 Parts Resin (Part A) to 1 Part Hardener (Part B) by volume; graduated plastic mixing containers are recommended for measuring volumetric quantities. **FORTIS COAT 823 HS** is provided as full kits that can be mixed with care in original packaging. Part B is to be added to Part A and mixed at low speed with a Jiffy style mechanical mixer. Care should be taken to minimize air introduced during mixing. Mix until a smooth and creamy emulsion is formed, free of striations. This should take approximately 2 minutes. Ensure material from the bottom and edges of the drum are sufficiently mixed. Mix for an additional 2 minutes.

Application **Fortis Coat 823 HS** can be applied by brush, roller or sprayed. Mixed material should be poured out in ribbons across the area to be rolled. A suitable epoxy compatible roller up to 10mm NAP is recommended. It is important to back-roll to ensure even application and to break any balloons that may have formed from pinholes. Do not apply at more than the recommend coverage rate.

Clean-Up Equipment can be cleaned with xylene or acetone immediately after use. Hardened materials must be removed mechanically.

Limitations Not suitable for exterior use without a suitable light stable finish coat.
Avoid working in conditions that could cause condensation to form on the uncured coating.

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.