

Technical Data Sheet

FORTIS COAT 823 HS

FEATURES

- 88% solids epoxy
- 30-60 min working time
- Easy to roll
- Highly chemical resistant
- Excellent adhesion – self priming
- High build application
- Ideal base coat

TYPICAL APPLICATION

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

TECHNICAL DATA

Color : N35 Light Grey

Mix ratio: 3 parts A to 1 part B (vol)

Work time: 30-60 minutes

Film Thickness: 150µm per coat

Coverage Rate: 5-7m²/litre

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



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

APPLICATION

Fortis Coat 823 HS can be applied by brush or roller. 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.

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. Old surfaces are best diamond ground 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.

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.

Disclaimer

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ENGINEERING DATA

Shore D hardness: 75

VOC content: <170 g/L

Application temperature: 5-35°C

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.

CLEAN UP

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

SAFETY

Refer to material safety data sheet. Avoid skin contact. Mix and apply with adequate fresh ventilation. Contents are flammable. Keep away from fire or naked flame.

PACK SIZE

4L and 16L kits. Refer to epoxy colour chart for available colours.

SHELF LIFE

12mths @ 25°C unopened

For further information, refer to the Fortis website www.fortisadhesives.com.au It contains not only the Safety Data Sheets but also technical bulletins on coatings applications and surface preparation.