

FORTIS ULTRASPART



Fortis Ultraspert is a two-component, low VOC, aliphatic polyaspartic coating designed as a UV stable topcoat for polyurea and polyurethane systems, or as a standalone rapid return to service system over properly prepared substrates. It is colour stable and non-yellowing, exhibiting excellent UV resistance. It is available in a range of colours.

Features and Benefits	<ul style="list-style-type: none"> • High solids • UV stable (aliphatic) • Rapid return to service • Low VOC • Excellent chemical resistance • Excellent abrasion and impact resistance • Excellent adhesion to metal, wood, concrete
Typical Applications	<ul style="list-style-type: none"> • Light to severe industrial environments • Domestic garages and driveways • Commercial projects • Colour chip and vinyl flake floor systems • UV resistant top-coat
Properties	<ul style="list-style-type: none"> • Volume solids: 95% • VOC content: <50 g/L • Application temperature: -10 to +35°C • Mix ratio: 1 parts A to 1 part B (vol) • Work time: 15-20 minutes • Film Thickness: 100µm per coat (80-250) • Coverage Rate: 5m²/L (2-10) • Re-coat : 2-24hrs • Tack free: 1 to 2 hours • Light foot traffic: 3-5 hours • Return to service: 24 hours • Final cure: 7 Days • Number of Coats: 1+
Colours	<ul style="list-style-type: none"> • Clear • Light Grey (N35) • Bridge Grey (N44) • Black (N61) • White (N14)
Pack Size	8L, 20L
Shelf Life	12 months @ 25°C unopened
Safety	<ul style="list-style-type: none"> • Contains Isocyanates • 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. 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

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Mixing

Ensure **Fortis Ultraspert** Part A is mixed thoroughly prior to use. The mixing ratio for **Fortis Ultraspert** is 1:1 by volume; graduated plastic mixing containers are recommended for measuring volumetric quantities. It is not typically recommended to mix more than 6L of **Fortis Ultraspert** (sufficient material for 10 minutes of rolling). 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 & uniform emulsion is formed, free of striations. This should take approximately 90 seconds. Each 10-minute batch should be mixed in a new container. Cured material can be removed and containers re-used.

Mixed material should be poured quickly and not left as a bulk amount in mixing container.

Application

Mixed material should be poured out in ribbons across the area to be rolled. A 270mm microfibre 5mm NAP roller cover is recommended. The roller should be rolled dry every 10-18m² to prevent the roller becoming tacky and increase the roller's life. Do not excessively overwork the coating. It is important to back-roll to ensure even application and to break any balloons that may have formed from pinholes. Replace roller cover every 50-90m².

To achieve a non-slip finish, colour chip or flake floor, refer to the relevant Fortis technical bulletin.

Clean-Up

Equipment can be cleaned with Xylene or Acetone immediately after use. Hardened materials must be removed mechanically.

Limitations

Mixed material should be poured quickly and not left as a bulk amount in mixing container.

Some colours may need a white primer. Contact Fortis for advice.

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.

Fortis Adhesives & Coatings Pty Ltd

ABN 65 1333 915 732
 14 Commercial Drive
 Dandenong South
 Victoria, Australia, 3175
www.fortisadhesives.com.au
 +61 3 9706 5448

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.