

FORTIS UltraCrete 3KPU



Fortis UltraCrete 3KPU is a three-component high performance self-levelling polyurethane cement industrial flooring system.

Features and Benefits

- Excellent flow, levelling and workability
- Low odour
- Hard wearing - abrasion resistant
- High chemical resistance
- Fast turnaround times
- High slip resistance with broadcast aggregate
- Handles rapid changes in surface temperature associated with cleaning and washdown processes

Typical Applications

- Wet processing zones
- Chemical processing plants
- Food preparation areas
- Manufacturing areas

Properties

- VOC: 5.5g/L
- Finish: Matt
- Pot life: 20 minutes
- Touch dry: 8 hours
- Walk on time: 24 hours
- Final cure: 7 days

Cure times will vary according to a combination of variables including relative humidity, air circulation, temperature, and film thickness.

Coverage

Thickness	3-4mm	5-6mm	7-8mm
Application rate	5.96kg/m ² 4.10m ² per kit	9.49kg/m ² 2.58m ² per kit	15.47kg/m ² 1.58m ² per kit

Colours

- Off-white - yellows on exposure

Pack Size

24.4kg Kit: 4.7kg part A, 4.7kg part B, 15kg part C (FORTIS EP3 fillers)

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

New Concrete

All laitance must be removed mechanically. The surface must be clean and properly profiled to enable the coating to achieve an optimal bond.

Existing Concrete

Concrete must be clean and sound. The surface must be clean and properly profiled to enable the coating to achieve an optimal bond.

All joints in the substrate must be expressed through Fortis UltraCrete 3KPU.

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Priming

Priming is recommended for very porous substrates. If required, **FORTIS HYDROFORT PRIMER** or a scratch coat (1 to 1.5mm thickness) of **Fortis UltraCrete 3KPU** are the recommended primer options.

Mixing

Full kits are designed to be used at a convenient ratio and package size - **DO NOT BREAK UP KITS** if kits are to be proportioned the ratio of 1 Part A : 1 Part B : 1.6 Parts C (by weight) must be maintained.

Ensure Part A is well mixed prior to use - this can be achieved by shaking or mixing with a heavy duty mixer. Add Part A and Part B to a 20L mixing pail. Mix these two components with a heavy duty Jiffy Mixer for 45 seconds. Take care to minimise entraining air during mixing. Add Part C (FORTIS EP3 fillers) and mix for a minimum of 2 minutes until a uniform mixture is achieved. Do not mix for longer than 4 minutes.

Once mixed, immediately pour onto the working area.

DO NOT ATTEMPT TO MIX BY HAND STIRRING

Application

Fortis UltraCrete 3KPU should be applied within the temperature range of 5 to 30°C.

Surfaces should be free from coatings or other contaminants. Concrete must be visibly dry at the time of application.

Spread **Fortis UltraCrete 3KPU** with a steel trowel or gauging rake onto the floor to the required thickness.

Fortis UltraCrete 3KPU is designed to release entrained air with the aid of a spiked roller to obtain uniform application.

Working the surface 10 minutes after application may result in surface texture, defects, and pinholes.

Broadcast (optional)

The broadcast aggregate is to be applied immediately after back rolling. Broadcast to refusal. Broadcast aggregate must be applied within 15 minutes of application.

Allow the coating to cure for a minimum of 24 hours and then remove excess aggregate by stiff broom, vacuuming, or blowing.

TopCoat

Contact Fortis to discuss suitable topcoat options. Broadcast and non-broadcast systems can be top coated with **FORTIS ULTRASPART**, **FORTIS 823 HS EPOXY**, or **FORTIS 824 EPOXY**. Non broadcast systems must be sanded or lightly ground prior to top coating.

Clean-Up

Clean uncured material with xylene or acetone. Cured product must be removed mechanically.

Limitations

Exceptionally porous substrates can result in blistering in the final product - priming may be required in these circumstances.

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.