Protective & Marine Coatings
PRODUCT DATA SHEET

FASTOP MULTI BU

06/2023 Issue 6 – REF: FIST

PRODUCT DESCRIPTION

FasTop Multi BU is a granite reinforced three component polyurethane cement infill and repair screed designed to fill holes and indentations in a concrete subfloor prior to overlaying with FasTop self-levelling and screed systems. FasTop Multi BU can also be used to back-fill drainage channels and form falls or ramps in floors.

ADVANTAGES

- Can be applied from 6mm to 60mm
- Fast curing
- High strength
- Self-sealing

RECOMMENDED USE

A wide range of industrial applications such as:

- Infilling potpoles
- Back filling drains
- Creating ramps
- Food manufacture and processing
- Kitchens
- Dairies
- Pharmaceutical and chemical plant processing
- Brewing and Beverage

PRODUCT DATA

Volume Solids: ~100%

VOC: 9 g/l calculated per full mixed unit

Colours: Natural

Finish: Matt

Pack Size: 28.5 kg

Pack Weights: 2.32 kg base, 1.11 kg hardener, 25.07 kg aggregate (28.5 kg)

Mixing Ratio: As above packing weights

Mixed Density: ~2.10g/cm^3

Shelf Life: 36 months (Base), 12 months (Hardener) 6 months (Aggregate)

Storage: Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C. Aggregates must be stored in a dry area to prevent contamination by moisture, as this will have a detrimental effect on the product.

Typical properties at 20°C
Cure Times

Recoating Intervals: 6 - 8 hours

Light Traffic: 6 - 8 gours

Full Traffic : 48 hours

Full Chemical Cure: 3 - 5 days

Pot Life: 15 minutes from mixing

Note: *All product must be used within the pot life limit, if the product is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.*

Typical Consumption:
2.1 kg/m^2 per mm thickness. Minimum thickness of 10 mm
Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.

System Thickness: 6 - 60 mm
(Recommended)

Recommended
Application Methods: Trowel

SURFACE PREPARATION

Concrete substrates must be sound with a minimum compressive strength of 25 N/mm^2, a minimum tensile strength of 1.5 N/mm^2 and a relative humidity at the surface of no more than 75%.

It is essential that all laitance, surface sealers and curing membranes and any surface contamination, such as oil, grease and dirt, existing coatings and loose material is removed by suitable mechanised equipment. Planing or scarifying to CSP 5-7 is recommended for this product, for detailed information, refer to ICRI Guideline No.310.2R-2013.

After surface preparation, all loose debris and dirt should be removed using vacuum equipment.
Weak concrete must be removed, and local repairs carried out.
Anchorage grooves should be cut around the perimeter of the sub-floor, and terminations, e.g: doorways, around drains and at joints, to a width and depth of twice the thickness of the floor, up to a maximum of 10mm.

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RECOMMENDED SYSTEMS

Priming is essential for this product to ensure a sealed substrate

Apply FasTop Multi Primer by medium nap roller, brush or squeegee. Work the primer well into the surface ensuring it is fully wetted out and then roll to complete an even coating without any ponding.

Two coats may be required to eliminate any dry patches and to create an even sealed surface. The primer should be worked into and around the anchor joints whilst avoiding to filling these with resin.

For further information please refer to recommended individual product data sheets

MIXING AND APPLICATION

Mixing:

Add the FasTop Multi Base Part A pouch and the FasTop Multi Hardener Part B to a suitable mixing vessel and mix using a low speed electric mixer for 1 to 2 minutes until homogeneous. Transfer the mixture to a rotary drum mixer, add the FasTop BU Aggregate component steadily and mix for a minimum of 3 minutes until homogeneous..

FasTop Multi BU should be applied immediately after mixing to prepared and primed areas whilst the primer is still tacky.

Application

FasTop Multi BU may be applied to substrates with a surface temperature in the range of 5-20°C and a relative humidity of 40% to 90% RH, with a minimum air temperature of 8°C and no condensation. Do not pre-warm this product as working times will be substantially reduced if materials are warm.

Whilst the epoxy primer used is still tacky FasTop Multi BU should be applied at the required rate as soon after mixing as possible.
(Delay can result in variation in surface finish, colour and add to application problems).
NB: Cure times are extended at low temperatures.

Apply to pre-primed areas and level between battens as necessary with a steel float.

Apply FasTop Multi BU in layers up to 60mm. Ensure that the material is well compacted throughout its depth and that each layer is keyed together. Allow 6-8 hours between layers. At the top surface, compact and finish to the required depth below the final surface.
After a minimum of 8 hours FasTop products can be laid to the required depth and finish.

TECHNICAL INFORMATION

The following figures are obtained from laboratory tests and our experience with this product.

Category Guide:	FeRFA Type
Bond Strength: **(BS EN 13892-8:2002)**	>3 N/mm^2 (Substrate failure)
Abrasion Resistance: **(BS EN 13892-4:2002)**	AR 0.5
Impact Resistance: **(BS EN ISO 6272-1:2011)**	>4 Nm

WARRANTY

Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.

The information detailed in this datasheet is liable to modification from time to time in the light of experience and normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

HEALTH AND SAFETY

Consult Safety Datasheet for information on safe storage and handling of this product.

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BS EN 13813: SR-B3.0-AR0.5-IR>4
Resin coating/screed for use inside buildings as per datasheet

Wear resistance:	**AR0.5**
Bond strength:	**B3.0**
Impact resistance:	**IR>4**