New Guard Coatings Group

A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

This information is not exhaustive and it is the user's responsibility to ensure that this data sheet is the most current by contacting their local New Guard Coatings Group branch prior to using the coating/product.

Protective & Marine Coatings
PRODUCT DATA SHEET

FASTOP MULTI TR1000

07/2023 Issue 4 – REF: TR1000

PRODUCT DESCRIPTION

FasTop Multi TR1000 is a polyurethane cement screed applied 'wet on wet' to a primer with a screed bar which is power trowelled to create a compact heavy duty flooring base screed between 5 - 150 mm thickness which can then be finished with a Resuflor epoxy resin or FasTop polyurethane cement topping. The material uses universal FasTop multi component resin and hardeners to maintain flexibility for the customer whilst also delivering the performance and properties that FasTop is known for.

ADVANTAGES

- Can be power trowelled
- Applied from 5 mm to 150 mm
- Fast application and curing
- High strength
- Easy to install
- Suitable for FasTop and Resuflor systems

RECOMMENDED USE

A wide range of industrial applications such as:

- Where smooth screeds are required
- Food manufacture and processing
- Pharmaceutical and chemical plant processing

PRODUCT DATA

Volume Solids: ~100%

VOC: 9 g/l mixed

Colours: Natural

Finish: Matt

Pack Size: 27.27 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: 1.16 kg base, 0.45kg colour pouch, 1.11 kg hardener, 25 kg aggregate (27.72 kg)

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 hours

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

System Thickness: 5 - 100mm (hand trowel application)
(Recommended) 5 - 150mm (power trowel application)

Recommended
Application Methods: Screedbar, hand trowel and power 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, 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 of surfaces should be carried out using **Resuprime MVT or Resuprime ST.** Once the area has been primed the **FasTop Multi TR1000** should be applied immediately onto the wet primer. This will allow a chemical bond to form between the primer and the **FasTop Multi TR1000** which will provide a stronger adhesive bond to the substrate.

For further information please refer to recommended individual product data sheets

MIXING AND APPLICATION

Mixing:

Add the **FasTop Multi Base Part A** half size pouch and then the **FasTop Multi Colour Pack** pouch contents directly into forced action mixer mix thoroughly for one minute then add the **FasTop Multi Hardener Part B** half size pouch and mix for approximately one minute, add the **FasTop TR1000** Aggregate component steadily, until a homogeneous mix of the three components is achieved.

FasTop TR1000 should be applied immediately after mixing to prepared and primed areas whilst the primer is still tacky**.**

Application

FasTop Multi TR1000 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.

NB: Cure times are extended at low temperatures.

Whilst the epoxy primer used is still tacky, **FasTop Multi TR1000** should be applied at the required rate as soon after mixing as possible using a screed bar and then be finished with a power trowel to create a compact even finish.

(Delay can result in variation in surface finish, colour and add to application problems).

After a minimum of 8 hours **FasTop Multi TR1000** should be grouted with **FasTop Multi T150** and then **Resuflor** and **FasTop** products can be applied 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 6
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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