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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.

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FASTOP MULTI TERRAZZO



07/2023 Issue 5 – REF: RSG69

PRODUCT DESCRIPTION

FasTop Multi Terrazzo is a heavy-duty decorative terrazzo effect polyurethane cement floor screed that has excellent resistance to a wide variety of chemicals. It provides a dense, impervious flooring solution that is resistant to abrasion and impact.

ADVANTAGES

- Decorative Finish
- Chemically resistant
- Hard wearing
- Campden BRI tested

RECOMMENDED USE

A wide range of industrial applications such as:

- Pharmaceutical and chemical plant processing
- Public areas where a decorative finish is required

PRODUCT DATA

Volume Solids:	~100%
VOC:	9 g/l mixed
Colours:	Wide range of decorative finished available
Finish:	Matt
Pack Size:	26.1 kg
Pack Weights:	2.32 kg base, 0.45 kg colour pack, 2.22 kg hardener, 21.11 kg aggregate (26.1 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:	12 - 16 hours
Full Traffic :	48 hours
Full Chemical Cure:	5 - 7 days

Pot Life: 15 minutes from mixing

Note: All mixed product must be used within the pot life time 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:

2.10kg/m² 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: 9 - 11 mm
(Recommended)

Recommended

Application Methods: Trowel or rake (optionally can be back rolled with a loop roller)

SURFACE PREPARATION

Concrete substrates must be sound with a minimum compressive strength of 25 N/mm², a minimum tensile strength of 1.5 N/mm² 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 suitable for a self-levelling FasTop screed. 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, avoid filling these with resin.

A scratch coat of the product itself can be applied as a primer at a maximum of 1.5kg/m² over the whole area except the anchor joints. For further information please refer to recommended individual product data sheets.

MIXING AND APPLICATION

Mixing:

Add the FasTop Multi Base Part A pouch and then the FasTop Multi Colour Pack pouch contents into a mixing bucket, mix thoroughly for one minute then add the FasTop Multi Hardener Part B pouch and add the FasTop Terrazzo aggregate component steadily, until a homogeneous mix of the four components is achieved.

FasTop Multi Terrazzo should be applied immediately after mixing to prepared areas.

Application

Apply immediately to prepared areas. When priming a surface this should be tack free and FasTop Multi Terrazzo should be applied at the required rate as soon after mixing as possible. Level between battens as necessary with a steel float. The surface should be protected from temperatures of less than 10°C and moisture in the early stages of cure and should be allowed to cure typically for a minimum 48-72 hours at 20°C before grinding can commence.

The FasTop Multi Terrazzo should have an initial dry rough grind using 50–100 metal bonded diamonds, on a 3 headed planetary grinder. This is typically a dry grind removing 0.5–2 mm off the screed surface to expose the coloured decorative aggregate. This is followed by successive finer cuts to remove cutting marks and scratches typically using 200# grit to 400# grit diamonds. Care must be taken to use appropriate equipment to achieve the necessary finish and then the floor should be thoroughly cleaned and vacuumed prior to the grout coat being applied.

Repeat rough grinding and the grout coat steps if a high number of large voids still exist. After the grinding process FasTop Multi Terrazzo is grouted with Resuflo GC and sealed with Resupen WB Clear or can be further polished.

See Sherwin-Williams FasTop Terrazzo System Guide for recommended floor systems.

FasTop Multi Terrazzo may be applied to substrates with a surface temperature in the range of 5-20°C and a relative humidity of 40% - 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

TECHNICAL INFORMATION

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

Category Guide:	FeRFA Type 8
Bond Strength: (BS EN 13892-8:2002)	>3 N/mm ² (Substrate failure)
Abrasion Resistance: (BS EN 13892-4:2002)	AR 1 (Less than 100 microns wear)
Reaction to Fire: (EN 13501-1:2018)	Bfl-s1
Compressive Strength: (BS EN 13892-2:2002)	54 N/mm ²
Flexural Strength: (BS EN 13892-2:2002)	4.4 N/mm ²
Tensile Strength: (BS EN 6319-7:1985)	3.5 N/mm ²
Impact Resistance: (ISO 6272-1:2011)	>4
Chemical Resistance:	Excellent – please see separate guide or contact Sherwin-Williams for more specific advice

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-B2.6-AR0.5-IR>4
Resin coating/screed for use inside buildings as per datasheet

Wear resistance: AR0.5
Bond strength: B2.6
Impact resistance: IR>4