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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 RS69



06/2023 Issue 6 – REF: RS69

PRODUCT DESCRIPTION

FasTop Multi RS69 is a heavy duty, resin rich polyurethane cement floor screed that has excellent resistance to a wide variety of chemicals and temperatures up to 120°C and down to - 40°C. FasTop Multi RS69 can be applied by rake and trowel or screedbox for fast installation and provides a light anti-slip surface that is suitable for use in a variety of wet and dry environments. It provides a dense, impervious flooring solution that is resistant to abrasion and heavy impacts. The properties of FasTop Multi RS69 make it ideal for applications in the food and beverage, chemical and pharmaceutical industries providing a durable, long lasting floor. The product incorporates an antimicrobial agent to minimise microbial growth on the floor.

ADVANTAGES

- High chemical resistance
- Resistance to hot water and steam
- Self-sealing
- Extremely hard wearing
- Excellent slip resistant finish
- Matt finish
- Campden BRI tested.
- HACCP certified

RECOMMENDED USE

A wide range of industrial applications such as:

- Food manufacture and processing
- Brewing and beverage
- Pharmaceutical and chemical plant processing
- Heavy duty plant and traffic areas
- Dairies
- Commercial kitchens
- Abattoirs and meat processing

PRODUCT DATA

Volume Solids:	~100%
VOC:	9 g/l calculated per full mixed unit
Colours:	Black, Blue, Buff, Dark Grey, Mid Grey, Light Grey, Green, Marigold, Red
Finish:	Matt
Pack Size:	26.1 kg
Pack Weights:	2.32 kg base, 0.45 kg colour, 2.22 kg hardener, 21.11 kg aggregate
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 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:

2.1mg/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: 6 - 9 mm
(Recommended)

Recommended

Application Methods: Trowel or rake. Can be back rolled with a loop

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

Primers are optional for this product dependant on substrate surface conditions and porosity.
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 to recommended individual product data sheets.

MIXING AND APPLICATION

Mixing:

Add the FasTop Multi Part A component (base) and the FasTop Multi Part D (color package) to a suitable mixing vessel and mix for 1 - 2 minutes using a low-speed electric mixer or forced action mixer until homogeneous. Add the FasTop Multi Part B (hardener) component and mix again for 1 - 2 minutes until homogeneous. Add Part C (aggregate) steadily into the mixing vessel and mix for a minimum of 3 minutes until a uniform mixture is obtained.

Application

Apply immediately to prepared areas. When priming a surface this should be tack free and FasTop Multi RS69 should be applied at the required rate as soon after mixing as possible pin rake or level between battens as necessary with a steel float, alternatively a screedbox or sledge can be used set at the required thickness and again finished with a steel float. Where ease of cleaning is very important alongside slip resistance, the final finish can be smoothed by back rolling with a loop roller. A single pass with the weight of the roller is usually sufficient. Delay can result in variation in surface finish, colour and add to application problems.

FasTop Multi RS69 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.

See Sherwin-Williams FasTop RS69 System Guide for recommended floor systems

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)
Temperature Resistance:	Tolerant of spillages and discharges up to 120°C, and down to - 40 °C in service, when installed at 9 mm
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)	6.3 N/mm ²
Tensile Strength: (BS EN 6319-7:1985)	3.5 N/mm ²
Impact Resistance: (BS EN ISO 6272-1:2011)	>4 Nm
Slip Resistance: (BS 7976-2:2002+A1:2013)	Can achieve >36 (low slip potential in wet/dry conditions)

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-B3.3-AR0.5-IR>4
Resin coating/screed for use inside buildings as per datasheet
Wear resistance: AR0.5
Bond strength: B2.3
Impact resistance: IR>4