



FASTOP MULTI TG69



07/2023 Issue 6 – REF: TG69

PRODUCT DESCRIPTION

FasTop Multi TG69 is a heavy duty 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 TG69 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 TG69 make it ideal for applications in the food and beverage, chemical and pharmaceutical industries to provide a durable, long lasting floor. The product incorporates an antimicrobial agent to minimise microbial growth on the floor

ADVANTAGES

- High chemical resistance
- Resistant 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:	30.1 kg
Pack Weights:	2.32 kg base, 0.45 kg colour, 2.22 kg hardener, 25.11 kg aggregate (30.1 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:	N/A
Light Traffic:	12 - 16 hours
Full Traffic :	48 hours
Full Chemical Cure:	5 - 7 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/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:
(Recommended)** 6 - 9 mm

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 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.

FasTop Multi TG69 should be applied immediately after mixing to prepared areas.

Application

When priming a surface this should be tack free and FasTop Multi TG69 should be applied at the required rate as soon after mixing as possible. Level between battens as necessary with a steel float, at the required thickness. 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 TG69 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 TG69 System Guide for recommended floor system..

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 temperatures up to 120°C and down to - 40°C when installed @ 9 mm
Abrasion Resistance: (BS EN 13892-4:2002)	AR 0.5 (Less than 50 microns wear)
Reaction to Fire: (EN 13501-1:2018)	Bfl-s1
Compressive Strength: (BS EN 13892-2:2002)	52.9 N/mm ²
Flexural Strength: (BS EN 13892-2:2002)	5.6 N/mm ²
Tensile, Strength: (BS EN 6319-7:1985)	1.9 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)
Chemical Resistance:	Excellent – please see separate guide or contact Sherwin-Williams

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-B2.7-AR0.5-IR>4
Resin coating/screed for use inside buildings as per datasheet
Wear resistance: AR0.5
Bond strength: B2.7
Impact resistance: IR>4