



New Guard Coatings Group

A global reputation to protect.

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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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**PROTECTIVE
&
MARINE
COATINGS**

**FasTop Multi TG69
PRODUCT TECHNICAL DATA**



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 surface once installed and is taint free so can be installed in active food production areas.

ADVANTAGES

- High chemical resistance
- Resistant to hot water and steam
- Self-sealing
- Extremely hard wearing
- Excellent slip resistant finish
- Matt finish
- Campden BRI approved as non-tainting
- HACCP certified

RECOMMENDED USE

- 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%	Application at 20°C	
VOC:	9 g/l calculated per full mixed unit	Recoating Intervals:	N/A
Colours:	Black, Blue, Buff, Dark Grey, Mid Grey, Light Grey, Green, Marigold, Red	Light Traffic:	12-16 hours
Finish:	Matt finish	Full Traffic:	48 hours
Flash Point:	N/A	Full Chemical Cure	5-7 days
Cleanser/Thinner:	N/A	Pot Life:	15 minutes from mixing
Pack Size:	30.1 kg	Note:	<i>All mixed 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.</i>
Pack Weights:	2.32 kg base, 0.45 kg colour, 2.22 kg hardener, 25.11 kg aggregate (30.1 kg)	Coverage Rate:	30.1 kg will cover 2.38 m ² @ 6 mm or 1.59 m ² @ 9 mm 6 mm – 12 kg/sqm or 9 mm – 18 kg/sqm
Mixing Ratio:	As above packing weights	<i>Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.</i>	
Mixed Density:	Approximately 2.10 g/cm ³	System Thickness:	6-9 mm (Recommended)
Shelf Life:	36 months (Base & Colour), 12 months (Hardener) & 6 months (Aggregate)	<i>The suggested thickness range is calculated based on average volume solid as a general recommendation for the specified condition and for each application may vary.</i>	
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.	Recommended Application Methods:	Trowel, pinrake or screedbox with optional finish with a loop roller



FasTop Multi TG69

SURFACE PREPARATION

New Concrete Floors: New concrete must be clean, sound, dry, fully cured and surface laitance removed by vacuum enclosed shot blasting or mechanical grinding, a minimum strength of 25 N/mm² is required.

Existing Concrete Floors: Remove all dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing and making sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out using **FasTop Multi BU**.

Existing Floors (previously coated): All previous coatings and loose floor paints must be removed by mechanical preparation as described in the above section and primed as specified. If the old resin flooring cannot be removed then please consult with our technical team for advice on intercoat adhesion and suitability, as it may not be compatible with the existing floor coating.

Anchor Joints: To ensure the maximum bond is achieved, grooves must be cut into the perimeter of the subfloor, typically 20mm deep by 5-10mm wide. These should be inset approximately 150 mm from and running parallel with the walls and adjacent to any doorways, plinths etc. including any finished edge, i.e. both sides of a day work joint. The groove must have a neat square edge and the **FasTop Multi TG69** laid to the full depth forming a perimeter anchorage.

PRIMING	MIXING																						
<p>Primers are optional for this product dependant on substrate surface conditions and porosity. If required FasTop Multi Primer should be used which utilises the FasTop Multi components as detailed on the FasTop Multi Systems brochure and the FasTop Multi Primer product data sheet.</p> <p>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.</p> <p><i>For further information please refer to recommended individual product data sheets.</i></p>	<p>Add the FasTop Multi Base Part A pouch and then the FasTop Multi Colour Pack pouch contents into a mixing bucket or directly into a rotary drum mixer, mix thoroughly for one minute then add the FasTop Multi Hardener Part B pouch. If a separate bucket has been used pour the combined mix into a rotary drum mixer and add the FasTop Multi TG69 Aggregate component steadily, until a homogeneous mix of the four components is achieved.</p> <p>FasTop Multi TG69 should be applied immediately after mixing to prepared areas.</p>																						
APPLICATION	TECHNICAL INFORMATION																						
<p>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.</p> <p>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.</p> <p>NB: Cure times are extended at low temperatures.</p> <p><i>See Sherwin-Williams FasTop TG69 System Guide for recommended floor system.</i></p>	<p>The following figures are obtained from laboratory tests and our experience with this product.</p> <table border="0"> <tr> <td>Category Guide:</td> <td>FerFA Category 8</td> </tr> <tr> <td>Bond Strength: (BS EN 13892-8:2002)</td> <td>>3 N/mm² (Substrate failure)</td> </tr> <tr> <td>Temperature Resistance:</td> <td>Tolerant of temperatures up to 120°C and down to - 40°C when installed @ 9 mm</td> </tr> <tr> <td>Abrasion Resistance: (BS EN 13892-4:2002)</td> <td>AR 0.5 (Less than 50 microns wear)</td> </tr> <tr> <td>Reaction to Fire: (EN 13501-1:2018)</td> <td>Bfl-s1</td> </tr> <tr> <td>Compressive Strength: (BS EN 13892-2:2002)</td> <td>52.9 N/mm²</td> </tr> <tr> <td>Flexural Strength: (BS EN 13892-2:2002)</td> <td>0.4 N/mm²</td> </tr> <tr> <td>Tensile, Strength: (BS EN 6319-7:1985)</td> <td>1.9 N/mm²</td> </tr> <tr> <td>Impact Resistance: (ISO 6272-1:2011)</td> <td>>4</td> </tr> <tr> <td>Slip Resistance: (BS 7976-2:2002+A1:2013)</td> <td>Can achieve <36 (low slip potential in wet/dry conditions)</td> </tr> <tr> <td>Chemical Resistance:</td> <td>Excellent – please see separate guide or contact Sherwin-Williams</td> </tr> </table>	Category Guide:	FerFA Category 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)	0.4 N/mm ²	Tensile, Strength: (BS EN 6319-7:1985)	1.9 N/mm ²	Impact Resistance: (ISO 6272-1:2011)	>4	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
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CE MARK

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BSEN 13813 SR B 3.0- AR 0.5 - IR>4
Resin coating/screed for use inside buildings as per data sheet
Wear resistance: AR 0.5
Bond strength: B 3.0
Impact resistance: IR > 4

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 Product Health and Safety Datasheet for information on safe storage, handling and application of this product.

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