



PROTECTIVE & MARINE COATINGS

FasTop TG69

PRODUCT TECHNICAL DATA

(Formerly known as Resuthane TG69)



PRODUCT DESCRIPTION

FasTop TG69 is a heavy duty polyurethane concrete floor screed that has excellent resistance to a wide variety of chemicals and temperatures up to 120°C and down to -40°C. FasTop 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 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, Flint, Green, Marigold, Salsa, Stirling	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 kg	Note: All mixed paint must be used within the pot life time limit, if the paint is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.	
Pack Weights:	2.32 kg blank base (2.68 kg coloured base), 0.44 kg colour, 2.22 kg hardener, 25.10 kg aggregate (30 kg)	Coverage Rate:	30 kg will cover 2.38 m ² @ 6 mm (Theoretical) or 1.59 m ² @ 9 mm
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: (Recommended)	6-9 mm
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 with optional finish with a roller



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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 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 20 mm deep by 10 mm 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 TG69** laid to the full depth forming a perimeter anchorage.

APPLICATION

4-pack Mixing: Add the **FasTop Multi** blank base component **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 **B** pouch component. If a separate bucket has been used pour the combined mix into a rotary drum mixer and add the aggregate component steadily, until a homogeneous mix of the four components is achieved.

3-pack Mixing: Add the **FasTop Multi** coloured base component **A** pouch into a mixing bucket or directly into a rotary drum mixer, then add the **FasTop Multi** hardener **B** pouch component. If a separate bucket has been used pour the combined mix into a rotary drum mixer and add the **FasTop TG69** aggregate component steadily, until a homogeneous mix of the three components is achieved.

Apply immediately to prepared areas. When priming a surface this should be tack free and **FasTop TG69** should be applied at the required rate as soon after mixing as possible. Level between battens as necessary with a steel float, alternatively a 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 short nap 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 TG69 may be applied to substrates with a surface temperature in the range of 5-20°C and a relative humidity <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.

RECOMMENDED SYSTEMS

See Sherwin-Williams System Guides for recommended floor systems. Primers can be optional for this product but if required then please follow the guidance below.

Dry substrates can be primed using **Resuprime ST** where the relative humidity of the substrate is less than 75%. Where the Relative Humidity of a substrate exceeds 75% ERH **Resuprime MVT** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203. The number of coats to be applied is chosen in accordance with the following table:

ERH%	Required Coating Thickness
75-85	1 coat of Resuprime MVT at 200 µm per coat
85-92	2 coats of Resuprime MVT at 200 µm per coat
92-97	3 coats of Resuprime MVT at 200 µm per coat

For further information please refer to recommended individual product data sheets.

TECHNICAL INFORMATION

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

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)	<36 (low slip potential in wet/dry conditions)
Chemical Resistance:	Excellent – please see separate guide or contact Sherwin-Williams for more specific advice

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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