



# New Guard Coatings Group

A global reputation to protect.

The information herewith is given with the best of New Guard Coatings Group knowledge.

Rights are reserved to change and update the data without notice.

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.

[www.newguardcoatings.com](http://www.newguardcoatings.com)

NORTH • SOUTH EAST • MIDLANDS • NORTH WEST • HULL • SCOTLAND



## PROTECTIVE & MARINE COATINGS

# FasTop Multi SL45

## PRODUCT TECHNICAL DATA



### PRODUCT DESCRIPTION

FasTop Multi SL45 is a polyurethane cement self-levelling resin floor screed designed to provide very heavy-duty usage with resistance to thermal shock, abrasion and chemical attack in aggressive industrial environments. The system utilises universal FasTop Multi bases, hardeners and colourants in combination with a specific aggregate to provide smooth seamless matt surface with good anti-slip properties. FasTop Multi SL45 is suitable for use in a variety of wet and dry environments as a dense, impervious flooring solution ideal for applications in food and beverage, chemical and pharmaceutical industries to provide a 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
- Self-sealing
- Extremely hard wearing
- Good 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

<b>Volume Solids:</b>	~100%	<b>Application at 20°C</b>	
<b>VOC:</b>	14 g/l calculated per full mixed unit	Recoating Intervals:	N/A
<b>Colours:</b>	Black, Blue, Buff, Dark Grey, Mid Grey, Light Grey, Green, Marigold, Red	Light Traffic:	12-16 hours
<b>Finish:</b>	Matt finish	Full Traffic:	48 hours
<b>Flash Point:</b>	N/A	Full Chemical Cure	5-7 days
<b>Cleanser/Thinner:</b>	N/A	<b>Pot Life:</b>	15 minutes from mixing
<b>Pack Size:</b>	19.1 kg	<b>Note:</b> 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.	
<b>Pack Weights:</b>	2.32 kg base, 0.45 kg colour, 2.22 kg hardener, 14.11 kg aggregate (19.1 kg)	<b>Coverage Rate:</b>	19.1 kg will cover 1.9 m <sup>2</sup> @ 5 mm (Theoretical) 4 mm – 8 kg/sqm or 5 mm – 10 kg/sqm Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.
<b>Mixing Ratio:</b>	As above packing weights	<b>System Thickness: (Recommended)</b>	4-5 mm
<b>Mixed Density:</b>	Approximately 2.00 g/cm <sup>3</sup>	<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>	
<b>Shelf Life:</b>	36 months (Base & Colour), 12 months (Hardener) & 6 months (Aggregate)	<b>Recommended Application Methods:</b>	Trowel, Rake and Spike Roller
<b>Storage:</b>	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.		



# FasTop Multi SL45

## 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/mm<sup>2</sup> 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 10mm deep by 5mm 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 SL45** laid to the full depth forming a perimeter anchorage.

PRIMING	MIXING																						
<p>Priming is essential for this product to ensure a sealed substrate suitable for a self-levelling FasTop screed. Use <b>FasTop Multi Primer</b> which utilises the FasTop Multi components as detailed on the FasTop Multi Systems brochure and the <b>FasTop Multi Primer</b> product data sheet.</p> <p>Apply <b>FasTop Multi Primer</b> 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 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 Part A component (base) and then add the contents of the FasTop Multi Part D (color package) in a mixing bucket or directly in a rotary drum mixer, mix thoroughly for a minute then add the FasTop Multi Part B (hardener) component and mix for 1 minute. Add component SL45 Part C (aggregate) constantly, into the mixing bucket or into the mixer with rotating blades until a homogeneous mixture of the components is obtained.</p> <p><b>FasTop Multi SL45</b> should be applied immediately after mixing to prepared areas.</p>																						
APPLICATION	TECHNICAL INFORMATION																						
<p><b>FasTop Multi SL45</b> When thoroughly mixed should be poured evenly over the appropriate area to be covered (monitoring rate of coverage to ensure correct depth of screed). Low floor temperatures and reduced thickness may reduce the flow properties of these products. Work out the mix rapidly and evenly over the area with a notched trowel, pin rake or similar to the appropriate thickness. Roll immediately with a spiked roller to achieve an even smooth surface and remove entrapped air. Do not re-roll later.</p> <p><b>FasTop Multi SL45</b> 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.</p> <p>NB: Cure times are extended at low temperatures.</p> <p><i>See Sherwin-Williams FasTop SL45 System Guides for recommended floor systems.</i></p>	<p>The following figures are obtained from laboratory tests and our experience with this product.</p> <table border="0"> <tr> <td><b>Category Guide:</b></td> <td>FerFA Category 7</td> </tr> <tr> <td><b>Bond Strength:</b> (BS EN 13892-8:2002)</td> <td>&gt;3 N/mm<sup>2</sup> (Substrate failure)</td> </tr> <tr> <td><b>Temperature Resistance:</b></td> <td>Tolerant of temperatures up to 90°C @ 5mm</td> </tr> <tr> <td><b>Abrasion Resistance:</b> (BS EN 13892-4:2002)</td> <td>AR 0.5 (Less than 50 microns wear)</td> </tr> <tr> <td><b>Reaction to Fire:</b> (EN 13501-1:2018)</td> <td>Bfl-s1</td> </tr> <tr> <td><b>Compressive Strength:</b> (BS EN 604:2003)</td> <td>54 MPa</td> </tr> <tr> <td><b>Flexural Strength:</b> (BS EN 178+A1:2013)</td> <td>14 N/mm<sup>2</sup></td> </tr> <tr> <td><b>Tensile Strength:</b> (BS EN 527-2:2012)</td> <td>7 N/mm<sup>2</sup></td> </tr> <tr> <td><b>Impact Resistance:</b> (ISO 6272-1:2011)</td> <td>&gt;4</td> </tr> <tr> <td><b>Slip Resistance:</b> (BS 7976-2:2002+A1:2013)</td> <td>Can achieve &lt;36 (low slip potential in dry conditions)</td> </tr> <tr> <td><b>Chemical Resistance:</b></td> <td>Excellent chemical resistance – please contact Sherwin-Williams for more specific advice</td> </tr> </table>	<b>Category Guide:</b>	FerFA Category 7	<b>Bond Strength:</b> (BS EN 13892-8:2002)	>3 N/mm <sup>2</sup> (Substrate failure)	<b>Temperature Resistance:</b>	Tolerant of temperatures up to 90°C @ 5mm	<b>Abrasion Resistance:</b> (BS EN 13892-4:2002)	AR 0.5 (Less than 50 microns wear)	<b>Reaction to Fire:</b> (EN 13501-1:2018)	Bfl-s1	<b>Compressive Strength:</b> (BS EN 604:2003)	54 MPa	<b>Flexural Strength:</b> (BS EN 178+A1:2013)	14 N/mm <sup>2</sup>	<b>Tensile Strength:</b> (BS EN 527-2:2012)	7 N/mm <sup>2</sup>	<b>Impact Resistance:</b> (ISO 6272-1:2011)	>4	<b>Slip Resistance:</b> (BS 7976-2:2002+A1:2013)	Can achieve <36 (low slip potential in dry conditions)	<b>Chemical Resistance:</b>	Excellent chemical resistance – please contact Sherwin-Williams for more specific advice
<b>Category Guide:</b>	FerFA Category 7																						
<b>Bond Strength:</b> (BS EN 13892-8:2002)	>3 N/mm <sup>2</sup> (Substrate failure)																						
<b>Temperature Resistance:</b>	Tolerant of temperatures up to 90°C @ 5mm																						
<b>Abrasion Resistance:</b> (BS EN 13892-4:2002)	AR 0.5 (Less than 50 microns wear)																						
<b>Reaction to Fire:</b> (EN 13501-1:2018)	Bfl-s1																						
<b>Compressive Strength:</b> (BS EN 604:2003)	54 MPa																						
<b>Flexural Strength:</b> (BS EN 178+A1:2013)	14 N/mm <sup>2</sup>																						
<b>Tensile Strength:</b> (BS EN 527-2:2012)	7 N/mm <sup>2</sup>																						
<b>Impact Resistance:</b> (ISO 6272-1:2011)	>4																						
<b>Slip Resistance:</b> (BS 7976-2:2002+A1:2013)	Can achieve <36 (low slip potential in dry conditions)																						
<b>Chemical Resistance:</b>	Excellent chemical resistance – please contact Sherwin-Williams for more specific advice																						

**CE MARK**

Sherwin Williams Protective & Marine  
Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom  
Tel: +44 (0) 1204 521771 F: +44 (0) 1204 382115

13

**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.*

Sherwin-Williams Protective & Marine Coatings, Tower Works, Kestor Street, Bolton, Lancashire BL2 2AL United Kingdom  
T: 01204 521 771 E: [sales.uk@sherwin.com](mailto:sales.uk@sherwin.com) www.resinflooring.sherwin.eu  
Registered in England 1659941 VAT GB 373 485624

*This datasheet is specifically subject to the disclaimer which can be found at: <http://protectiveemea.sherwin-williams.com/Home/Disclaimer>*