PROTECTIVE & MARINE COATINGS

FasTop Multi Terrazzo

PRODUCT TECHNICAL DATA

PRODUCT DESCRIPTION

FasTop Multi Terrazzo is a heavy-duty decorative terrazzo effect polyurethane cement floor screed that has excellent resistance to a wide variety of chemicals and temperatures. FasTop Multi Terrazzo can be applied by rake and trowel and 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 Terrazzo make it ideal for applications in the food and beverage, chemical and pharmaceutical industries to provide a durable, long lasting floor.

ADVANTAGES

- Decorative finish
- High chemical resistance
- Resistant to hot water and steam
- 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%
VOC:	9 g/l calculated per full mixed unit
Colours:	Black, Blue, Buff, Dark Grey, Green, Light Grey, Marigold, Red
Finish:	Matt finish
Flash Point:	N/A
Cleanser/Thinner:	N/A
Pack Size:	26.1 kg
Pack Weights:	2.32 kg base, 0.45 kg colour pack, 2.22 kg hardener, 21.11 kg aggregate (26.1 kg)
Mixing Ratio:	As above packing weights
Mixed Density:	Approximately 2.10 g/cm^3
Shelf Life:	36 months (Base & Colour), 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.

Application at 20°C

Recoating Intervals:	6 – 8 hours
Light Traffic:	12-16 hours
Full Traffic:	48 hours
Full Chemical Cure	5-7 days
Pot Life:	15 minutes from mixing

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.*

Coverage Rate: 26.1 kg will cover 1.35 m^2 @ 9 mm (Theoretical)

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) 9-11 mm

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.

Recommended Application Methods: Trowel or rake (optionally can be back rolled with a loop 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 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 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 Multi Terrazzo** laid to the full depth forming a perimeter anchorage.

PRIMING

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.

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

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 Terrazzo** aggregate component steadily, until a homogeneous mix of the four components is achieved.

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

APPLICATION

Apply immediately to prepared areas. When priming a surface this should be tack free and **FasTop Multi Terrazzo** 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.

The surface should be protected from temperatures of less than 10ºC and moisture in the early stages of cure and should be allowed to cure typically for a minimum 48-72 hours at 20ºC before grinding can commence.
The FasTop should have an initial dry rough grind using 50–100 metal diamond heads on triple head grinders. This is typically a dry grind removing 0.5–2 mm off the screed surface to expose the coloured decorative aggregate. This is followed by successive finer cuts to remove cutting marks and scratches typically using 200# grit to 400# grit diamonds. Care must be taken to use appropriate equipment to achieve the necessary finish and then the floor should be thoroughly cleaned and vacuumed prior to the grout coat being applied.
Repeat rough grinding and the grout coat steps if a high number of large voids still exist. After the grinding process **FasTop Multi Terrazzo** is grouted with **Resuflor GC** and sealed with **Resupen WB Clear.**

*See Sherwin-Williams **FasTop Terrazzo** System Guide for recommended floor systems.*

FasTop Multi Terrazzo 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.
NB: Cure times are extended at low temperatures.

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/mm² (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 1 (Less than 100 microns wear)
Reaction to Fire: (EN 13501-1:2018)	Bfl-s1
Compressive Strength: (BS EN 13892-2:2002)	54 N/mm²
Flexural Strength: (BS EN 13892-2:2002)	0.5 N/mm²
Tensile Strength: (BS EN 6319-7:1985)	3.5 N/mm²
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 1 - IR>4
Resin coating/screed for use inside buildings as per data sheet

Wear resistance:	AR 1
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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