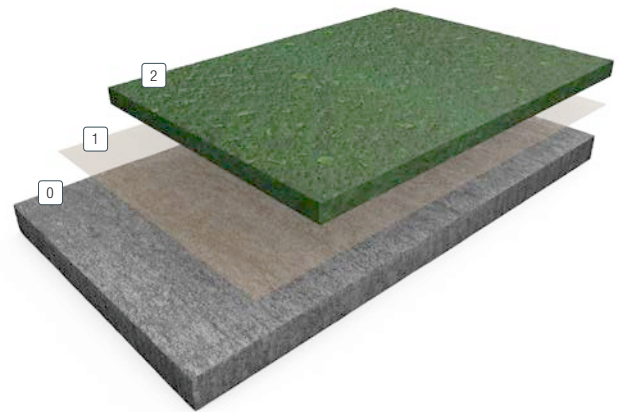


FASTOP™ TG69 POLYURETHANE CEMENT FLOOR SCREED SYSTEM

FasTop TG69 is a very heavy duty antimicrobial polyurethane cement floor screed system providing superb resistance against chemical attack, thermal shock and abrasion. A food grade non-taint and odourless product, providing slip resistance in wet and dry conditions. When installed at 9 mm thickness the system is resistant to steam cleaning, boiling water and process liquids up to 120°C and also suitable for freezer temperatures down to -40°C.



Traffic	Cure to service (hrs)		
	10°C	20°C	30°C
Light	24-36	12-16	8-12
Designed	48-72	36-48	24-36
Full cure	8 days	5-7 days	5 days

- ① **Substrate:**
- ① **Primer (optional):**
FasTop Multi Primer
- ② **Screed:**
FasTop Multi TG69

BENEFITS

- High chemical resistance
- Food safe and non-taint (HACCP and Campden BRI approved)
- Resistance to hot water and steam
- Self-sealing
- Excellent slip resistant finish
- Matt finish system
- Extremely hard wearing
- Non dusting

SCOPE OF USE

- Food manufacture and processing
- Brewing and beverage
- Dairies
- Commercial kitchens
- Pharmaceutical and chemical plant processing
- Abattoirs and meat processing facilities
- Heavy duty plant and traffic areas

TYPICAL PHYSICAL PROPERTIES

Hardness @ 24 hours, Shore D	BS ISO 7619-1:2010	72
Abrasion resistance	EN 13892-5	AR 2
Compressive strength	EN13892-2	52.9 N/mm ²
Tensile strength	BS 6319-7	1.9 N/mm ²
Flexural strength	EN 13892-2	5.6 N/mm ²
Bond strength	EN13813	>3 N/mm ² (substrate failure)
Impact resistance	EN ISO 6272	>4
Temperature resistance	Tolerant of temperatures up to 120°C at 9 mm	
Chemical resistance	Excellent	
Reaction to fire	EN13501-1	B _{FL} – s1
UV stable	No	
FerFa class	Class 8	
System thickness	6–9 mm	
CE Marked screeds	BS EN 13813:2002	

SYSTEM COMPOSITION

VOC EC Solvent Emissions Directive

Component	Product	Application	VOC	Theoretical consumption
Primer (optional)	FasTop Multi Primer	Roller	22 g/L	0.28 kg/m ²
NB: Priming can be optional and is required dependant on substrate				
Screed	FasTop Multi TG69	Trowel	9 g/L	12.76 kg/m ² (6 mm depth)

APPLICATION GUIDANCE

IMPORTANT INSTALLATION NOTE

Sherwin-Williams materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the system in conjunction with the product data sheets used for the system. Contact Sherwin-Williams Technical Service Department for assistance prior to application. Email: technicale@sherwin.com or Tel: +44 (0)1204 556457.

SUBSTRATE REQUIREMENTS AND SURFACE PREPARATION GENERAL CONSIDERATIONS

Sherwin-Williams flooring systems can be applied to a variety of substrates. Proper surface preparation is required, specific of the substrate type. Concrete is the most common substrate and this document states surface preparation guidance for this specific substrate. Other types of substrate can be covered too. Please contact Sherwin-Williams Technical Service Department prior to starting the project to obtain guidance on surface preparation for specific substrate or condition.

CONCRETE - SUBSTRATE REQUIREMENTS

To achieve the best performance from FasTop TG69 substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25 N/mm².

Ideally substrates should be free from rising damp and water pressure and it is good practice to take a moisture content reading of a concrete substrate, particularly for any new slabs.

Where substrates have moisture levels above 75% ERH as per BS8204, or if no damp proof membrane is present then FasTop Primer can be used as normal or Resuprime MVT can be used to function as a surface applied damp proof membrane as the primer as advised in the product data sheet. The number of coats of Resuprime MVT will be dependent on the moisture content.

CONCRETE - SURFACE PREPARATION

Concrete surfaces should be prepared by vacuum shot-blasting or mechanical abrasion as required to achieve a surface texture which will function as a mechanical key to maximise adhesion of the resin system.

Thoroughly vacuum the surface and any joints to remove all loose dust and debris. Ensure that all preparation is carried out to the edges of slabs, walls etc. to ensure full bonding of the system to a sound surface. Any debris should be recovered from the floor surface and joints etc.

Significant mechanical damage, pitting and cracks may need to be addressed and repaired prior to the application of the primer; these should be identified by survey.

For recommendations, consult Sherwin-Williams Technical Service Department.

TOE-IN JOINTS

To ensure maximum bond is achieved, grooves must be cut into the perimeter of the subfloor prior to priming or with the direct application of FasTop Multi TG69 which will function as anchor joints. Typically grooves should be 20 mm deep by 5 mm wide, and 150 mm from, and running parallel with the walls and adjacent to any doorways.

TEMPERATURE

Throughout the application process, substrate temperature ideally should be 5°C-25°C and a relative humidity <90% ERH, 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. Substrate temperature must be at least 3°C above the dew point. The material should not be applied in direct sunlight, if possible.

APPLICATION GUIDANCE

SYSTEM INSTALLATION - IMPORTANT: IT IS CRITICAL TO ADHERE TO THE MIXING INSTRUCTIONS FOR FULL SYSTEM CURE AND PERFORMANCE

PRIMER

FASTOP MULTI PRIMER

1. Add the FasTop Multi base component Part A in a mixing bucket or directly in a rotary vane mixer, then add slowly FasTop T150 Aggregate while mixing until a smooth, lump-free mixture is obtained. When a separate bucket was used, pour the combined mixture in a rotary drum mixer. Then add the half dose sachet of the FasTop Multi hardener component Part B and mix for about one minute until a homogeneous mixture of all components is obtained.
FasTop Primer should be applied immediately after mixing to prepared areas.
2. FasTop Primer is applied by roller, brush or squeegee. Apply at a coverage of around 0.28 kg/m² evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.
3. Apply the primer around the edges of the toe-in anchor joints but do not fill these. Ideally the primer should be allowed to cure for at least 6 hours at 20°C and not longer than 48 hours.

SCREED

FASTOP MULTI TG69

1. 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 TG69 Part C (aggregate) constantly, into the mixing bucket or into the mixer with rotating blades until a homogeneous mixture of the components is obtained. Apply as soon as possible.
2. Apply to pre-primed areas and level between battens as necessary with a steel float at the required thickness.
3. Where ease of cleaning is important with slip resistance the finish can benefit by back rolling FasTop Multi TG69 immediately after its application by trowel with a Sherwin Williams Loop Roller or eventually a short nap roller. A single pass with the weight of the roller is usually sufficient. This helps achieve a consistent resin rich light surface texture and remove trowel marks. FasTop Multi TG69 screed should ideally be laid in bays to a maximum width of 6 m.
4. Units should be applied consistently with mixes from the same batch used consecutively where adjacent areas are being laid. Applied at a coverage rate of 12.76 kg/m² a 30.1 kg unit achieves a 6 mm depth on a good surface.
5. FasTop Multi TG69 should be allowed to cure and will be suitable for light traffic after 12-16 hours at 20°C.

JOINTS

1. Any functioning joints in the subfloor should be continued through the resin flooring system and filled with Epo-Flex VJ. The spacing and type of joints should be determined prior to the resin floor system being installed.
2. Mix Epo-Flex VJ Part A (base) with Epo-Flex VJ Part B (hardener). These units are in pre-weighed containers. Mix using a low speed mixer and paddle (300-400 rpm) for 2-3 minutes, until a uniform mixed product is obtained.
3. Apply the Epo-Flex VJ immediately to the prepared and cut joints with a knife to a consistent smooth finish.

COVING

1. If coved skirtings are required use FasTop Multi WR before application of the flooring system FasTop TG69 system. Please see the FasTop WR System Information Guide or consult Sherwin-Williams Technical Service Department.

NB: Cure times are extended at low temperatures.



**HACCP INTERNATIONAL
FOOD SAFETY APPROVED**

**FASTOP™ TG69
FINISHED WORKING SYSTEM,
WET ZONE, MEAT PROCESSING.**

CLEAN UP

Cleaning up mixing and application equipment immediately after use. For details see the Product data Sheet.

SAFETY

Refer to the SDS sheet before use. All applicable laws and particular plant safety guidelines must be followed during the handling and installation and cure of these materials.

Safe and proper disposal of excess materials should be done in accordance with applicable local authority codes.

MATERIAL STORAGE

Store materials in a temperature controlled environment (15°C–30°C) and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

MAINTENANCE AND CLEANING

Sherwin-Williams recommends a floor cleaning regime is used for maximum performance and aesthetics of the resin floor, using adequate cleaners.

Where required floor scrubbers, rotary washers or power washing can be operated.

All surfaces should be thoroughly rinsed with clean water after the use of cleaners.

If more information is requested contact your local Sherwin-Williams representative.

DISCLAIMER

The information and recommendations set forth in this document 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(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult technicale@sherwin.com to obtain the most recent product data information and application instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. No warranty or guarantee of any kind is made by Sherwin-Williams, expressed or implied, statutory, by operation of law or otherwise including merchantability and fitness for a particular purpose.