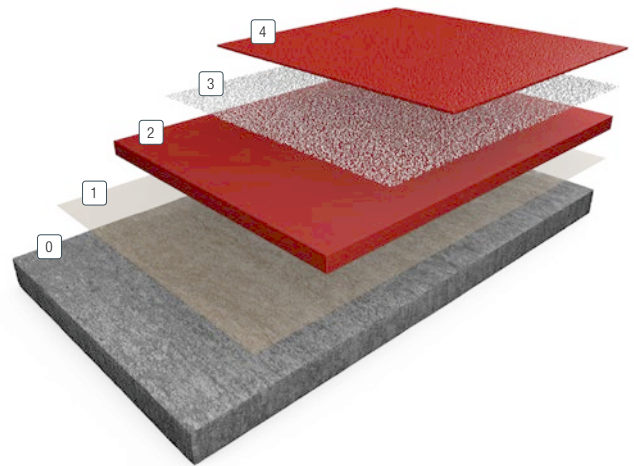


## FASTOP™ DP

### POLYURETHANE CEMENT TEXTURED FLOOR SCREED SYSTEM

**FasTop DP** is a heavy duty polyurethane cement screed designed to create uniform non-slip finishes whilst providing excellent thermal shock resistance for a variety of industrial environments. FasTop Multi DP is laid between 5–7 mm and broadcast with a choice of three types and sizes of aggregates to give a uniform non-slip finish in areas that are wet and/or exposed to greases and oils. The total system is 6–9 mm.



Traffic	Cure to service (hrs)		
	10°C	20°C	30°C
Light	24–36	12–16	8–12
Designed	72–96	48–72	24–48
Full cure	8 days	5–7 days	5 days

- ① **Substrate:**
- ① **Primer (optional):** FasTop Multi Primer
- ② **Screed:** FasTop Multi DP
- ③ **Aggregate:** Quartz, Granite, Carborundum Aggregate
- ④ **Seal coat:** FasTop Multi T150

### BENEFITS

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

### 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	80
Abrasion resistance	BS EN 13892-4:2002	AR 4
Compressive strength	BS EN 31892-2:2002	34.6 MPa
Tensile strength	BS EN 13892-2:2002	2.4 N/mm <sup>2</sup>
Flexural strength	BS 6319-7:1985	5.8 N/mm <sup>2</sup>
Bond strength	BS EN 13892-8:2002	>2.8 N/mm <sup>2</sup> (substrate failure)
Impact resistance	BS EN ISO 6272-1:2011	>4
Temperature resistance	Tolerant of temperatures up to 90°C at 5 mm	
Chemical resistance	Excellent	
Reaction to fire	BS EN 13501-1:2018	B <sub>FL</sub> – s1
UV stable	No	
FerFa class	Class 7	
System thickness	6–8 mm	

## SYSTEM COMPOSITION

VOC EC Solvent Emissions Directive

Component	Product	Application	VOC	Theoretical consumption
Primer	FasTop Multi Primer	Roller	22 g/L	0.28 kg/m <sup>2</sup>
NB: Priming is recommend but can be optional as the FasTop Multi DP base screed is being fully seeded with silica aggregate.				
Screed	FasTop Multi DP	Trowel	9 g/L	10 kg/m <sup>2</sup> (5 mm depth)
Broadcast	Quartz, Granite, Carborundum	Broadcast	N/A	2 kg/m <sup>2</sup>
Topcoat	FasTop Multi T150	Squeegee/ Roller	22 g/L	0.83 kg/m <sup>2</sup>

## 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](mailto: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 DP, substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25 N/mm<sup>2</sup>.

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, 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 DP which will function as anchor joints. Typically grooves should be 20 mm deep by 5-10 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.

## DESIGNED TO PERFORM

## APPLICATION GUIDANCE

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

#### PRIMER (OPTIONAL)

##### 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/m<sup>2</sup> 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 DP

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 DP 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. Applied at 10 kg/m<sup>2</sup> a 22.1 kg unit achieves a 5 mm thickness on a good surface. Apply as soon as possible.
2. Work out the mix rapidly and evenly over the area with a notched trowel, pin rake or similar to the appropriate thickness.
3. Units should be applied consistently with mixes from the same batch used consecutively where adjacent areas are being laid.

#### BROADCAST

##### QUARTZ, GRANITE, CARBORUNDUM

1. As soon as FasTop DP has settled broadcast evenly the aggregate into wet resin consistently to obliteration by hand or mechanical blower at a rate of 2 kg/m<sup>2</sup> using one of the following three aggregate options:  
FasTop Multi DP Light Duty - 0.7-1.2 mm aggregate scattered evenly  
FasTop Multi DP Medium Duty - 1.2-1.8 mm aggregate scattered evenly  
FasTop Multi DP Heavy Duty - 1-3 mm aggregate scattered evenly
2. Continue broadcasting to excess until the floor appears completely dry and even.
3. Allow to cure for 12-24 hours, sweep off excess sand with a clean, stiff bristled broom or vacuum. Clean granules can be saved for future use where appropriate.
4. Any imperfections such as high spots should be smoothed before the application of the topcoat.

#### TOPCOAT

##### FASTOP MULTI T150

1. Lightly sand the surface to re-move any high spots. This process should be done with care.
2. 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 T150 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.
3. Mix using a low speed mixer and paddle (300-400 rpm) for 2-3 minutes, until a uniform mixed product is obtained.
4. Work out the mix rapidly and evenly over the area with a brush, roller, or squeegee with no puddles to the following coverage rates:  
FasTop Multi DP Light Duty - (0.7-1.2 mm aggregate) apply FasTop T150 at 0.4-0.6 kg/m<sup>2</sup>  
FasTop Multi DP Medium Duty - (1.2-1.8 mm aggregate) apply FasTop T150 at 0.7-0.9 kg/m<sup>2</sup>  
FasTop Multi DP Heavy Duty - (1-3 mm aggregate) apply FasTop T150 at 1.0-1.2 kg/m<sup>2</sup>
5. FasTop Multi T150 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 Resujoint V Part B (hardener). These units are in pre-weighed containers.
3. Mix using a low speed mixer and paddle (300-400 rpm) for 2-3 minutes, until a uniform mixed product is obtained.
4. 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 please see the FasTop WR System Guide or consult Sherwin-Williams Technical Service Department.

NB: Cure times are extended at low temperatures.



**FASTOP DP  
FINISHED WORKING SYSTEM.**

**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 shall be done in accordance with regional legislation.

**MATERIAL STORAGE**

Store materials in a temperature controlled environment (10°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](mailto: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.