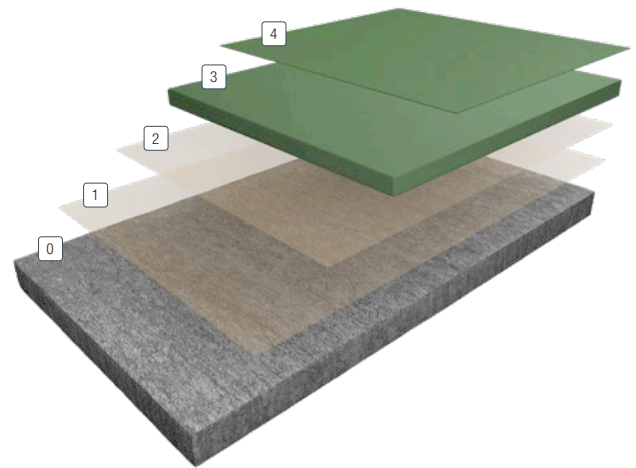


## FASTOP™ SL23 WBU

### POLYURETHANE CEMENT SELF-LEVELLING UV STABLE FLOOR SCREED SYSTEM

**FasTop SL23 WBU** is a 3 mm thick polyurethane cement UV stable self-levelling floor system. Providing a heavy duty finish which is resistant to chemical attack and hot water. An odourless product with a satin or matt finish, providing maximum hygienic standards ideal for industrial and production areas.



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

- ① **Substrate:**
- ① **Primer:**  
FasTop Multi Primer
- ② **Primer (optional):**  
FasTop Multi Primer
- ③ **Screed:**  
FasTop Multi SL23
- ④ **UV Seal**  
Resupen WB Colour

### BENEFITS

- High chemical resistance
- UV Stability
- Resistance to hot water
- Suitable for freezer temperatures
- Self-sealing
- Extremely hard wearing
- Non dusting
- Matt or satin finish

### 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	82
Abrasion resistance	BS EN 13892-5:2002	AR 0.5
Compressive strength	BS EN ISO 604:2003	43 MPa
Tensile strength	BS EN ISO 527-2:2012	7 N/mm <sup>2</sup>
Flexural strength	BS EN ISO 178+A1:2013	26 N/mm <sup>2</sup>
Bond strength	BS EN 13892-8:2002	>3 N/mm <sup>2</sup> (substrate failure)
Impact resistance	EN ISO 6272	>4
Temperature resistance	Tolerant of temperatures up to 80°C at 3 mm	
Chemical resistance	Excellent	
Reaction to fire	BS EN 13501-1:2018	BFL – s1
UV stable	Yes	
FerFa class	Class 5	
System thickness	3 mm	
CE Marked screeds	BS EN 13813:2002	

## 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>
Screed	FasTop Multi SL23	Trowel	9 g/L	5.71 kg/m <sup>2</sup> (3 mm depth)
UV Seal	Resupen WB Colour (matt or satin available)	Roller	>10 g/L	0.12 Lt/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 SL23 WBU 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, 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 SL23 which will function as anchor joints. Typically grooves should be 10 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/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.
4. NB: An additional application of primer may be required on porous surfaces to ensure a fully sealed surface which has no cavities or pinholes which could trap air.

#### SCREED

##### FASTOP MULTI SL23

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 SL23 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 as soon after mixing as possible, (delay can result in variation in surface finish, colour and add to application problems).
3. When thoroughly mixed units should be poured evenly over the appropriate area to be covered (monitoring the rate of coverage to ensure correct depth of the screed). Low 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 to remove any trapped air. Do not re-roll later.
4. FasTop Multi SL23 should be applied at 5.71 kg/m<sup>2</sup> per 16.1 kg unit to achieve a 3 mm thickness.
5. Units should be applied consistently with mixes from the same batch used consecutively where adjacent areas are being laid.
6. FasTop Multi SL23 should be allowed to cure and will be suitable for light traffic after 12-16 hours at 20°C.

#### UV SEAL

##### RESUPEN WB COLOUR

##### (MATT OR SATIN OPTIONS AVAILABLE)

1. Premix Resupen WB Colour Part A (base) separately for one minute and until uniform, exercising caution not to trap air into the material. Mix Resupen WB Colour Part A (base) with Resupen WB Colour Part B (hardener) to a uniform consistency, add 8% of water into the mix and remix the whole for 1 min. If a separate mixing bucket is being used mix thoroughly ensuring all contents of both components are removed from the buckets supplied.
2. Mix using a high speed mixer and paddle with high shear for 2-3 minutes, until a uniform mixed product is obtained.
3. The mixed unit should be applied immediately by roller, brush and/or squeegee with a consistent procedure at a rate of 8 m<sup>2</sup>/L, or 120 gr/m<sup>2</sup>, with no puddles. Floor areas should be cross-rolled to ensure even application and to minimise roller marks.
4. Allow to cure for a minimum 10-12 hours at 20°C before receiving light traffic.
5. A 2nd optional application of Resupen WB Colour can be done to increase the coating thickness and ensure maximum opacity with an even finish.

#### 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 preweighed 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 SL23 WBU  
FINISHED WORKING SYSTEM,  
EXHIBITION CENTRE.**

**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](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.