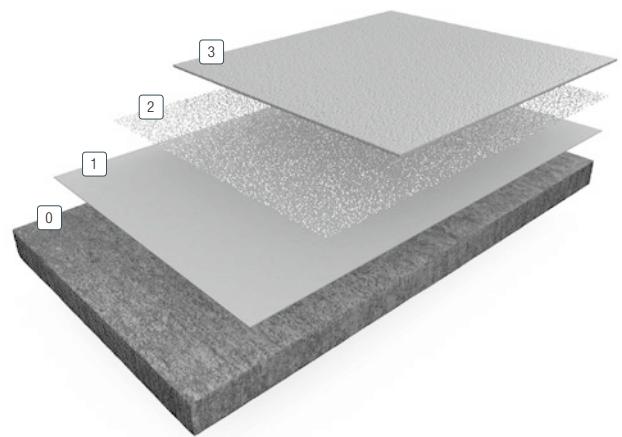


## SOFTOP TOPCOAT

### HIGH-BUILD POLYURETHANE FLOOR COATING SYSTEM

**SofTop Topcoat** is a polyurethane resin high build floor system which provides a hard wearing and chemical resistant finish typically at 0.6 mm thickness for industrial situations. The system is solvent free and low odour and being flexible has a degree of crack bridging properties providing a modern aesthetically pleasing bright finish for new build or refurbishment projects. The SofTop Topcoat system is an environmentally friendly product being free of solvent and using natural plant oils in its formulation.



Traffic	Cure to service (hrs)		
	10°C	20°C	30°C
Light	36-48	24-36	18-24
Designed	72-96	48-72	36-48
Full cure	8 days	up to 7 days	5 days

- ① **Substrate:**
- ① **Primer:**  
SofTop LVP
- ② **Broadcast (optional):**  
Silica sand 0.3-0.5
- ③ **Top Coat:**  
SofTop SLR

### BENEFITS

- Flexible
- Seamless
- Matt finish
- Extremely hard wearing
- Hygienic
- Good chemical resistance
- Smooth finish for precise operation equipment

### SCOPE OF USE

- Manufacturing areas
- Mezzanine areas
- Food units
- Bakeries
- Plant rooms
- Vehicle decks
- Asphalt areas
- Pharmaceutical areas

### TYPICAL PHYSICAL PROPERTIES

Chemical resistance	Good
UV stable	No
FerFa class	Class 3
System thickness	0.6 mm

## SYSTEM COMPOSITION

VOC EC Solvent Emissions Directive

Component	Product	Application	VOC	Theoretical consumption
Primer	SofTop LVP	Squeegee / Roller	>56 g/L	0.2 kg/m <sup>2</sup>
Broadcast (optional)	Silica Quartz 0.3-0.5	Broadcast	N/A	0.7-1.2 kg/m <sup>2</sup>
Top Coat	SofTop SLR	Squeegee / Roller	>10 g/l	0.45 kg/m <sup>2</sup>

NB: If a heavier aggregate scatter is applied (more than 0.5 kg/m<sup>2</sup>), then coverage rates for the Primer should be reduced to accommodate this.

NB: For a UV stable finish Resupen WB Colour can be applied as a top coat providing a satin sheen or Resupen WB Colour Matt for a matt finish.

## 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. Technical Enquiries email:technical@sherwin.com Telephone: +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 SofTop Topcoat 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.

If substrates have moisture levels above 75% ERH as per BS 8204, or if no damp proof membrane is present then Resuprime MVT can 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 contact Sherwin-Williams Technical Service Department.

### TEMPERATURE

Throughout the application process, substrate temperature ideally should be 10°C-25°C and a relative humidity <90% ERH, with a minimum air temperature of 15°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

##### SOFTOP LVP

1. Add SofTop SLV Primer Part B (base) to SofTop LVP Primer Part A (hardener). These units are in preweighed containers.
2. Mix using a low speed mixer and paddle (300-400 rpm) for 2-3 minutes, until a uniform mixed product is obtained.
3. SofTop LVP is applied by roller, brush or squeegee and should be applied at 0.2 kg/m<sup>2</sup>, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.

#### BROADCAST (OPTIONAL)

##### SILICA QUARTZ

1. As soon as SofTop LVP is applied broadcast evenly the silica aggregate into the wet resin consistently at a rate of 0.7-1.2 kg/m<sup>2</sup>. The Aluminium Oxide Aggregate may be spread evenly by hand or mechanical blower.
2. Continue broadcasting to until the floor aggregate appears evenly distributed with a light texture without any clusters of aggregate.
3. Allow to cure for a minimum 12 hours at 20°C or until the surface has lost its tackiness.
4. Any imperfections such as high spots or clusters of aggregate should be smoothed or treated before the application of the top coat (It is possible to incorporate a light addition of aggregate into the top coat of SofTop SLR if required).

#### TOP COAT

##### SOFTOP SLR

1. Pre mix SofTop SLR Part A (coloured base) ensuring any settled pigment is recovered, then add SofTop SLR Part B (hardener) and mix to an even consistency using a low speed mixer and paddle (300-400 rpm) for 2-3 minutes, until a uniform mixed product is obtained.
2. Scrape the sides and the bottom of the container during mixing and keep the mixing head submerged to avoid entrapping air. Decant the mixed material into a fresh container and remix for another minute. Do not work out of the original container.
3. 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). Pour evenly over the appropriate area to be covered (monitoring the rate of coverage to ensure correct depth of the membrane). Work out the mix rapidly and evenly over the area with a squeegee and roller to the appropriate thickness.
4. To enhance even distribution roll the area after about 10 minutes with a spiked roller to achieve an even smooth surface and to remove any trapped air. Low temperatures and reduced thickness may reduce the flow properties of these products.
5. SofTop SLR should be applied at 0.45 kg/m<sup>2</sup> to achieve around 0.3 mm thickness.
6. SofTop SLR should be allowed to cure and will be suitable for light traffic after 24 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.
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.

NB: Cure times are extended at low temperatures.



**SOFTOP TOPCOAT  
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.