



PROTECTIVE & MARINE COATINGS

SofTop SD

PRODUCT TECHNICAL DATA

PRODUCT DESCRIPTION

SofTop SD is a solvent free, high viscosity, two component polyurethane resin-based membrane and is designed for use as a sound dampening and comfortable membrane for comfort floor systems.

ADVANTAGES

- High viscosity for thick film builds
- Sound dampening
- Crack bridging ability
- Easy to apply
- Excellent bond to substrate

RECOMMENDED USE

- Offices
- Hospitals
- Public buildings
- Exhibition areas
- Comfort floors
- Schools
- Sports buildings

PRODUCT DATA

Volume Solids:	~100%	Application at 20°C
VOC:	<10 g/l calculated per full mixed unit	Recoating Intervals: 8-12 hours or once surface has lost tackiness
Colours:	Amber	Light Traffic: 12 hours
Finish:	Smooth gloss	Full Traffic: 72 hours
Flash Point:	N/A	Full Chemical Cure 7 days
Cleanser/Thinner:	N/A	Pot Life: 30 minutes from mixing
Pack Size:	20 kg	<i>The pot life may be shorter for larger pack sizes if the product is not used within the pot life limit.</i>
Pack Weights:	15 kg base/5 kg hardener (20 kg)	Note: All mixed product must be used within the pot life time limit, if the product is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.
Mixing Ratio:	3 parts base to 1 part hardener by weight only	Coverage Rate: Typically 2-4 kg/m ² (Theoretical)
Mixed Density:	Approximately 1.04 g/cm ³	<i>Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.</i>
Shelf Life:	12 months (Base and Hardener) when stored in unopened containers	System Thickness: (Recommended) 2-4 mm
Storage:	Keep out of direct sunlight. Store in a dry place, between 15°C – 20°C	<i>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.</i>
Recommended Application Methods:	Notched trowel, pin rake and spike 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 25N/mm² is required.

Existing Concrete Floors: Remove all dirt, oil, grease, old product 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 Resuscreed PA.

Existing Floors (previously coated): All previous coatings and loose floor products 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.

Where **SofTop SD** is applied to masonry/concrete surfaces, care must be taken to ensure that surface preparation is thorough but does not disfigure the surface.

PRIMING

The substrate should be primed with a suitable primer such as **SofTop LVP** prior to application. Porous substrates may require double priming. See Sherwin-Williams System Sheets for recommended floor systems.

Where the Relative Humidity of a substrate exceeds 75% ERH **Resuprime MVT** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203. The number of coats to be applied is chosen in accordance with the following table:

ERH%	Required Coating Thickness
75-85	1 coat of Resuprime MVT at 200 µm per coat
85-92	2 coats of Resuprime MVT at 200 µm per coat
92-97	3 coats of Resuprime MVT at 200 µm per coat

For further information please refer to recommended individual product data sheets.

APPLICATION CONDITIONS

SofTop SD is supplied in prepacked units. Before mixing precondition both A and B components to a temperature of approximately 15 to 20°C. The ambient temperatures of the areas should not be allowed to fall below 15°C throughout the application and the curing period, as this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 5°C and at least 3°C above the dew point. Where possible it is recommended that the application area is heated to a minimum temperature of 15°C ideally to allow the ambient and substrate temperature to stabilise prior to installation.

APPLICATION

Mixing: Pour the entire contents of part B into the container of part A. Mix with a low speed (ca.300 rpm) electric drill and paddle for at least 3 minutes until homogenous. Scrape the sides and bottom of the container several times during mixing to ensure complete mixing. Keep the mixing head submerged to avoid entrapping air.

Do not work out of the original container. Decant the mixed material into a fresh container and remix for another minute.

SofTop SD is applied by squeegee and subsequently spike rolled.

TECHNICAL INFORMATION

The following figures are obtained from laboratory tests and our experience with this product.

Category Guide:	FerFA Category 5
Bond Strength: (BS EN 13892-8:2002)	>3 N/mm ² (Substrate failure)
Temperature Resistance:	Tolerant of temperatures up to 60°C @ 3 mm
Impact Resistance: (BS EN 1504-2:2004)	Class II
Abrasion Resistance: (BS EN 13892-4:2004)	AR 0.5 (Less than 50 microns wear)
Shore A Hardness: (BS ISO 7619-1:2010)	50

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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