



05/2023 Issue 6 – REF: STSD

PRODUCT DESCRIPTION

SofTop™ SD is a two component polyurethane based membrane, designed for use as a sound dampening, flexible membrane for SofTop™ comfort floor systems.

ADVANTAGES

- High viscosity for high film builds
- Sound dampening
- Crack bridging ability
- Easy to apply
- Excellent adhesion

RECOMMENDED USE

A wide range of industrial and commercial applications such as:

- Healthcare
- Public and commercial buildings
- Comfort floors

PRODUCT DATA

Volume Solids: ~ 100%

VOC: <10 g/l mixed

Colours: Amber

Finish: Smooth gloss

Flash Point: N/A

Cleanser/Thinner: Do not thin
Cleaning only with RS Polysolvent

Pack Size: 20 kg

Pack Weights: 15 kg base/5 kg hardener

Mixing Ratio: 3 parts base to 1 part hardener by weight only

Mixed Density: ~1.04 g/cm³

Shelf Life: 12 months (Base and Hardener)
when stored in unopened containers

Storage: Keep out of direct sunlight.
Store in a dry place, between 5°C to 30°C

Recommended Application Methods:
Notched trowel, pin rake and spiked roller

Typical Properties at 20°C:

Cure Times

Minimum recoating intervals:
8 to 12 hours or once surface has lost tackiness
Light Traffic: 12 hours
Full Traffic: 72 hours
Full Chemical Cure: 7 days

Pot Life: 30 minutes from mixing

Pot life refers to the usable working life of the material following mixing and immediate application. If product is left in the container after mixing and not used, hazardous fumes may be released due to an exothermic reaction.

Typical Consumption: 2.0 kg/m² - 4.0 kg/m²

The coverage rate will vary depending on the texture and porosity of the substrate, site conditions, film thickness and method of application.

SURFACE PREPARATION

Concrete substrates must be sound with a minimum compressive strength of 25 N/mm², a minimum tensile strength of 1.5 N/mm² and a relative humidity at the surface of no more than 75%.

It is essential that all laitance, surface sealers and curing membranes and any surface contamination, such as oil, grease and dirt, existing coatings and loose material is removed by suitable mechanised equipment. Grinding or light contained shot-blasting to CSP 1-3, for detailed information, refer to ICRI Guideline No.310.2R-2013, should be used for the thinner synthetic flooring types to ensure that the profile does not reflect in the finish.

After surface preparation, all loose debris and dirt should be removed using vacuum equipment.

Weak concrete must be removed, and local repairs carried out.



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APPLICATION CONDITIONS

The recommended application temperatures of the areas should be kept between 15 - 30°C throughout the application and the curing period, otherwise this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 10°C. The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation forming.

Applied coating should be protected from moisture during application and during the curing period. Exposure to moisture during this time can cause surface and colour variations.

RECOMMENDED SYSTEMS

The substrate should be primed with a suitable primer such as SofTop™ LVP prior to application. On porous substrates SofTop™ LVP may be absorbed quickly leaving dry patches. A second coat should be applied to ensure the substrate is fully sealed and to prevent off-gassing from the substrate. Where the relative humidity of the substrate exceeds 75%, SofTop™ LVP should not be used.

Where the Relative Humidity of a substrate exceeds 75% ERH Resuprime™ MVT may be used, please contact Sherwin-Williams for a specification.

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

MIXING AND APPLICATION

Mixing:

Materials should be pre-conditioned at 15°C to 25°C prior to use. Mix the entire contents of the base component with the hardener component using a low speed electric mixer (300 to 400 rpm) for 1 to 2 minutes until homogeneous.

Application:

The mixed unit should be applied immediately by notched trowel or pin rake and then spiked rolled with a consistent procedure.

TECHNICAL INFORMATION

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

Category Guide: FeRFA Type 5

Bond Strength: >3 N/mm² (Substrate failure)
(BS EN 13892-8:2002)

Temperature Resistance: Tolerant of temperatures up to 60°C at 3 mm

Impact Resistance: Class II
(BS EN 1504-2:2004)

Abrasion Resistance: AR 0.5 (Less than 50 microns wear)
(BS EN 13892-4:2004)

Shore A Hardness: 55
(BS ISO 7619-1:2010)

Tensile Strength: 1.8 MPa
(BS EN ISO 527-2:2012)

Elongation at Break: 48%
(BS EN ISO 527-2:2012)

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 Safety Datasheet for information on safe storage and handling of this product.

Sherwin-Williams UK Limited, Protective & Marine Division
Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom.

T: +44 (0)1204 521771 F: +44 (0)1204 382115

W: <https://industrial.sherwin-williams.com/emea/gb/en/resin-flooring.html>

Registered in England Reg. No. 2968830 Reg. Office: Station Lane, Witney, Oxfordshire, United Kingdom, OX28 4XR.



Sherwin Williams Protective & Marine
Tower Works, Kestor Street, Bolton,
BL2 2AL, United Kingdom.

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BS EN 13813 SR B3.0-AR0.5-IR>4

Resin coating/screed for use inside buildings as per data sheet

Wear resistance AR 0.5

Bond strength B 3.0

Impact resistance IR > 4