



SHER-CRETE™ SM

02/2023 Issue 9 – REF: CECR/SM

PRODUCT DESCRIPTION

Sher-Crete™ SM is a water based, polymer modified cementitious coating designed for application to a wide range of floor and wall surfaces. Sher-Crete™ SM provides a smooth, durable finish strongly bonded to the substrate with a degree of flexibility. Sher-Crete™ SM can be applied in exterior or interior situations.

ADVANTAGES

- Can be built up to a range of thicknesses
- Degree of flexibility
- Excellent adhesion
- Internal and external applications
- Can be used as a floor and wall coating
- Ease of application

RECOMMENDED USE

A wide range of industrial applications such as:

- Exterior floor finishes such as driveways & walkways
- Interior or exterior smooth finishes
- Base coat for intermediate car park decks
- Public concourse areas
- Can be used on a wide range of substrates such as concrete and asphalt

PRODUCT DATA

Volume Solids: ~62%

VOC: <5 g/l

Colours: Grey

Finish: Smooth, lightly textured

Flash Point: N/A

Cleanser/Thinner: Do not thin
Cleaning with water only

Pack Size: 17.2 kg

Pack Weights: 4.7 kg liquid/12.5 kg filler

Mixing Ratio: 2.6 parts filler to 1 part liquid

Mixed Density: ~1.89 g/cm³

Shelf Life: 12 months Liquid
6 months Filler

Storage: Keep out of direct sunlight.
Store in a dry place, Protect from freezing at all times

Recommended Application Methods: Brush, roller, trowel, pin rake or squeegee.

Application Typical properties at 20°C

Cure Times

Minimum recoating interval: 4 to 6 hours

Light Traffic: 12 to 16 hours

Full Traffic: 72 hours

Full Chemical Cure: 7 to 10 days

Pot Life: Up to 60 minutes from mixing

Water based coatings may not show a visible end of pot life. Therefore, it is essential to use all mixed product within the specified time frame.

Typical Consumption (Theoretical):

1.0 - 5.0 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

Ensure surfaces to be coated are clean, dry and free from all surface contamination such as oil, grease and dirt to achieve satisfactory adhesion.

Substrate should be primed using Sher-Crete Primer, REFER TO DATA SHEET FOR FURTHER INFORMATION.

For application onto other substrates, refer to Sherwin-Williams.



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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. Surface temperature must be above 10°C.

RECOMENDED SYSTEMS

Refer to product system guide for further information.

MIXING AND APPLICATION

Pour the liquid component into a mixing bucket.

Whilst mixing, add the aggregate component slowly and mix for a further 2-3 minutes using a drill and mixing paddle ensuring that the mixture is lump free and consistent.

The mixed material should be applied immediately.

Sher-Crete™ SM can be applied by a variety of techniques including trowel, pin rake, brush and squeegee etc. Each of these techniques will leave unique tool marks in the finish and these can be avoided with the use of a loop roller, immediately after application.

TECHNICAL INFORMATION

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

Temperature Resistance: Tolerant of temperatures up to 60°C

Compressive Strength: 28.7 MPa
(BS EN ISO 604:2003)

Flexural Strength: 3.3 MPa
(ISO 178:2010)

Tensile Strength: 1 MPa
(BS EN ISO 527-2:2012)

Abrasion Resistance: AR 1 (Less than 100 microns wear)
(BS EN 13892-4:2002)

Bond Strength: 2.0 N/mm²
(BS EN 13892-8:2002)

Reaction to Fire: Bfl-s1
(BS EN 13501-1:2018)

Impact Resistance: >4 Nm
(BS EN ISO 6272-1:2011)

Water Vapour Permeability: S_d <5m (Permeable to water vapour)
(ISO 7783:2018)

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.

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BS EN 13813 SR B2.0-AR1-IR>4

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

Wear resistance	AR 1.0
Bond strength	B 2.0
Impact resistance	IR > 4