



PROTECTIVE & MARINE COATINGS

Cemcrete Primer

PRODUCT TECHNICAL DATA

PRODUCT DESCRIPTION

Cemcrete Primer is a single pack copolymer emulsion designed as a primer for Cemcrete SM and Cemcrete TX and for porous substrates. It stabilises and seals substrates effectively promoting adhesion that will allow self-smoothing compounds to be applied directly. It can also be used as a dust proof coating when applied as a tight coat by squeegee, roller or spray, depending on texture and finish. The product can be applied to vertical substrates to consolidate concrete and cement and other surfaces such as rock where it can disable asbestos fibres and stop these becoming airborne. Once dry Cemcrete Primer produces a water and alkali resistant polymer layer which both bonds to and strengthens the surface.

ADVANTAGES

- Single pack.
- Easy to use and apply.
- Provides effective bonding agent to cementitious surfaces
- Can be used internal and externally
- Can be used as a dust sealer.
- Excellent adhesion

RECOMMENDED USE

- As a primer for Cemcrete SM and Cemcrete TX
- As a surface sealer and dust proofer
- Ideal for porous substrates such as concretes and sand/cement screeds

PRODUCT DATA

Volume Solids:	25%	Application at 20°C
VOC:	<1 g/l calculated per full mixed unit	Recoating Intervals: 6-8 hours with good drying conditions
Colours:	Clear	Light Traffic: 24 hours
Finish:	Clear satin	Full Traffic: 72 hours
Flash Point:	N/A	Full Chemical Cure 7 days
Cleanser/Thinner:	Water (Thinning up to 1:1)	Pot Life: N/A
Pack Size:	4.7 kg	Coverage Rate: 4.7 kg will cover 34 m ² @ 150 µm WFT (Theoretical)
Pack Weights:	4.7 kg (liquid)	<i>*Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.</i>
Mixing Ratio:	Single pack	System Thickness: 150 µm WFT (Recommended) 38 µm DFT
Mixed Density:	Approximately 1.00 g/cm ³	<i>*The suggested thickness range is calculated based on the average volume solids as a general recommendation. As a result it may vary slightly for each application.</i>
Shelf Life:	12 months (kit) in unopened containers	
Storage:	Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C	
Application Methods:	Brush, roller, squeegee or spray	



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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 paint 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**. 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.

External Surfaces: Where evidence of organic growth, lichen, moss etc. is apparent, surfaces must be thoroughly cleaned and should be treated with a long term fungicidal/biocidal treatment which should be allowed to react and then washed down. Careful attention should be given to areas in both horizontal and vertical surfaces such as cracks and joints where water penetration is possible.

NOTE: Care must be taken to ensure that surface preparation is thorough but does not disfigure the surface.

APPLICATION CONDITIONS

Absorbent porous surfaces such as concrete, brickwork, asbestos, woodwork and crumbling friable cementitious surfaces can be primed with a solution of **Cemcrete Primer**.

Cemcrete Primer should be applied where there are good drying conditions and the ambient temperatures of the area and substrate should not be allowed to fall below 10°C throughout the application and the curing period. Where possible it is recommended that the application area is <75%RH, heated to a minimum temperature of 15°C and time is allowed for the ambient and substrate temperature to stabilise prior to installation.

On highly porous surfaces, or when used as a dust proofer, a very dilute (1:1 with water) wash may be applied to obtain maximum penetration. Once dry this should then be followed by an application of the standard material (neat) to the surface to build the film thickness.

APPLICATION

Cemcrete Primer can be applied by brush, roller, squeegee or spray and worked well into the surface, at a rate of 7.23 m² /kg and allowed to dry. Sound dense concretes should be dampened (with no free water) with a water spray. Open, highly porous substrates may require a second application to ensure the formation of a suitable surface film to provide a bond. Rates of coverage may vary substantially dependant on the surface preparation and finish of the concrete, rates given assumes a shot blasted surface with medium porosity. Once applied and dry it will not re-disperse in water.

N.B. **Cemcrete Primer** is not suitable for non-porous surfaces.

See *Sherwin-Williams System Sheets for recommended floor systems*.

TECHNICAL INFORMATION

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

Category Guide: FeRFA Category 1

Bond Strength: 1.8 N/mm²
(BS EN 13892-2:2002)

Temperature Resistance: Tolerant of temperatures up to 50°C

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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