

SiliconSeal Solvent-Based Sealer

Datasheet

January 2026

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SiliconSeal Solvent-Based Sealer is a colourless, low-viscosity penetrating sealer that greatly reduces water absorption in concrete, cement, cement plaster, mortar, natural sandstone, clay & cement bricks & coloured cement finishes, providing superior hydrophobic protection.

Technical Data

Type	Penetrative solvent-based sealer
Colour	Transparent
Paintable	2 - 5 days
Final cure	7 - 14 days
Application temperature (ambient)	5°C to 30°C
Substrate temperature	5°C to 30°C
UV resistance	Stable
Coverage	3 - 6m ² / litre (2 coats wet-on-wet) substrate dependant
Density	0.66kg / litre
Protection during application	Protect glass and metal surfaces
Safety	See MSDS

Purpose

SiliconSeal Solvent-Based Sealer is a deep-penetrating, hydrophobic surface treatment designed for the restoration and long-term protection of porous mineral substrates. It helps prevent spalling, cracking, efflorescence, and fungal growth by reducing water absorption while allowing the surface to remain breathable. It is also suitable as a remedial damp-proofing treatment for rising damp in brickwork.

Uses

- Water-repellent treatment for porous mineral surfaces such as concrete, masonry, clay brick, natural stone, fibre cement, and plaster
- Ideal for wet areas such as showers and for exterior walls and floors to prevent “wet-back” behind Cemcrete coatings
- Damp-proofing solution for brick walls affected by rising damp (via injection into pre-drilled holes)
- Protective treatment for building restoration projects
- Suitable for both residential and light commercial applications

Benefits

- Ready to use, easy application by brush, roller, or spray
- Penetrates pore structure up to 6mm for deep, long-lasting protection
- Significantly reduces water absorption without sealing the surface
- Allows moisture vapour transmission, substrate remains breathable
- Helps prevent spalling, cracking, efflorescence, water staining, fungal growth, and freeze-thaw damage
- Provides a clear, natural finish without altering the substrate appearance
- Effective as a remedial damp-proof course for treating rising damp
- Does not alter the colour or appearance of the treated surface

Cemcrete provides a comprehensive technical service based on over 4 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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Limitations

- Not film building, but rather crystalline in structure for water repellency.

Suitable surfaces

Concrete, cement, mortar, cement plaster, natural sandstone, clay & cement bricks & pigmented cement finishes.

Specifying

Surface treatment:

Apply 2 coats **SiliconSeal Solvent-Based Sealer** (wet-on-wet). Leave to cure for at least 3 days (not exceeding 5 days) before applying a finishing sealer if required.

Damp-course repair:

Drill holes into single course of bricks at the damp-proof course (DPC) level and inject **SiliconSeal Solvent-Based Sealer** by gravity or pressure until saturated. Re-plaster with control joints cut through to the brick at DPC level.

Weather

- Do not apply if temperatures are below 10°C or exceeds 30°C.
- Do not apply to exterior surfaces if any form of precipitation (including rain, dew, snow, condensation, etc) is expected within 12 hours of application.

Surface preparation

Cemcrete decorative coatings / overlays

Surface to be cured according to the applicable datasheet and have less than 5% moisture content (depending on the surrounding humidity). Surface must be dry, dust-free and laitance-free, prior to the sealer application.

Newly laid standard screed / Cemcrete Colour Hardener

Surface to be integrally sound (no cracks, crumbling, friability, hollowness, delamination), dry, smooth, level, dust-free, oil-free and laitance-free. Newly laid screeds and Cemcrete's Colour Hardener need to be cured for at least 21 days and have less than 5% moisture content (depending on the surrounding humidity), before sealing commences. Curing membranes and shutter release agents should be completely removed before the commencement of work.

Existing screed / slab surface

Moisture levels should be tested to ensure no underlying waterproofing issues exist. Substrate(s) should preferably be ground with a grinder to remove surface residues and to expose the true condition of the substrate. Surfaces should be hard (no crumbling or cracking) and have good compressive strength. They should also be clean, free of contaminants, or laitance of any kind which may impair adhesion.

Newly applied plaster

Surface to be integrally sound (no cracks, crumbling, friability, hollowness, delamination), dry, smooth, level, dust-free, oil-free and laitance-free. New plaster needs to be cured for at least 21 days and have less than 5% moisture (depending on the surrounding humidity), before sealing commences. Curing membranes and shutter release agents should be completely removed prior to the commencement of work.

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Existing plaster

Moisture levels should be tested to ensure no underlying waterproofing issues exist. Substrate(s) should preferably be ground with a grinder to remove surface residues and to expose the true condition of the substrate. Surfaces should be hard (no crumbling or cracking). They should also be clean, free of contaminants, or laitance of any sort which may impair adhesion.

Masking

For best results, all windows, doors and adjacent surfaces (especially glass or aluminium), should be masked using painter's tape and brown paper to prevent soiling these surfaces during application. All masking material must be removed at the end of the day to avoid fraying the edges of the application, and to prevent plasticizer migration or sticky residue from the tape. Care should be taken when removing the tape to ensure no product is pulled away with it.

Mixing

Rock drum in inverted position for a few minutes before opening, and stir contents thoroughly before use. Do not shake the drum as this may aerate the sealer.

Application

- Apply two liberal coats of **SiliconSeal Solvent-Based Sealer** wet-on-wet by brush, roller, or spray.
- When applying to vertical surfaces (eg: walls), work from bottom to top to avoid run marks.
- Avoid leaving any pooling or excess product on the surface during application.

NOTE: The second coat must be applied while the first coat is still wet. If it starts to rain, stop treatment, and cover the infused areas.

Damp-course repair:

- Strip plaster from brickwork before drilling.
- Drill holes at a 30°–60° angle, at least 50mm deep into the brick; approximately 2 - 3 holes per brick.
- If the wall is a double-skim wall, the application may be done on both the interior and exterior sides, if needed.
- Apply **SiliconSeal Solvent-Based Sealer** by gravity feeding through a funnel or by pressure injection (30 – 50 psi typical).
- Continue injecting until the sealer bleeds back through the face of the brick.
- When reapplying plaster or suitable mortar mix, cut control joints through to the brick at the damp-proof course (DPC) level to prevent further rising damp.

Curing

SiliconSeal Solvent-Based Sealer must be allowed to dry for a minimum of 2 days, and a maximum of 5 days, depending on the weather, to allow the solvent to fully evaporate. Application of another sealer, or decorative coating, before or after this window, will result in adhesion issues. Full cure takes place after 7 - 14 days.

Specimen finish

A trial area should be treated on-site for end-user approval and suitability.

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Coverage

Face bricks	6m ² / litre (2 coats wet-on-wet)
Porous bricks	3m ² / litre (2 coats wet-on-wet)
Concrete	4m ² / litre (2 coats wet-on-wet)

These figures are approximate and will vary according to the texture and porosity of the particular surface.

Maintenance

If **SiliconSeal Solvent-Based Sealer** was used on its own, the surface may be hosed down or cleaned with a neutral pH cleaner. Avoid harsh chemicals such as ammonia or bleach. If overcoated with a film-forming sealer, refer to that product's datasheet for specific maintenance instructions.

Cleaning

Clean all application equipment with lacquer thinners or solvent based cleaner.

Packaging

Available in 1, 5 & 20 litre containers.

Storage

Store at room temperature in unopened drums for a maximum of 4 months from date of invoice. Once opened, the container can be resealed, but must be closed tightly to prevent solvent evaporation.

Manufacturer's Warranty

Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

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Johannesburg Head Office

8 Telford Street
Industria
011 474 2415

Johannesburg Showroom

227 Jan Smuts Avenue
Parktown North
011 447 3149

Centurion Showroom & Warehouse

15 Coachmen's Park
26 Jakaranda Street, Centurion
012 653 6808

Cape Town Showroom & Warehouse

Eagle Park, cnr Bosmansdam &
Omuramba Roads, Montague Gardens
021 555 1034