

A colourless, low viscosity, penetrating liquid for application to masonry or concrete surfaces. SiliconSeal is supplied ready for application by brush, roller or spray. SiliconSeal penetrates the pore structure to a depth of about 10mm. Masonry treated in this way can still “breathe” and moisture can dry out through the surface.

PURPOSE

SiliconSeal greatly reduces the water absorption of concrete, clay bricks, natural stone, fibre cement and plaster. SiliconSeal can also be used for the prevention of rising damp in brick walls by pumping the fluid into previously drilled holes along the course immediately above the faulty damp-proof membrane.

TECHNICAL DATA

TYPE	PENETRATIVE SOLVENT-BASED SEALER
COLOUR	TRANSPARENT
PAINTABLE	3 - 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
DENSITY	0.66KG/LITRE
PROTECTION DURING APPLICATION	PROTECT GLASS AND METAL SURFACES
SAFETY	SEE MSDS

APPLICATIONS

Surface coating for building restoration and protection against spalling, cracking, efflorescence and fungal growth. SiliconSeal is a wet-on-wet application and should be applied until the substrate is properly saturated.

COLOURS

An absolutely clear treatment which does not darken or change the colour of the surface to which it is applied.

SPECIFYING

SURFACE TREATMENT

SiliconSeal applied liberally by brush, roller or spray, at least two coats wet on wet. SiliconSeal should be applied to a substrate to a point of saturation (until surface absorbs no more). Be sure to remove any ‘pooled’ Siliconseal, do not allow this to dry on the surface. SiliconSeal is not film building, but rather crystalline in structure for water repellence and in certain applications it should be over coated with a film forming sealer to stop dirt retention i.e. wet areas, children’s rooms or wherever a wall could get dirty.

DAMP-COURSE REPAIR

One course of bricks at damp-proof course level to be drilled and saturated with SiliconSeal. All in strict accordance with the manufacturer’s instructions.

SPECIMEN FINISH

A trial area should be treated on-site for the architect or engineer’s approval.

SUITABLE SURFACES

Concrete, cement plaster, mortar, sandstone, clay- and cement bricks, gypsum plaster, asbestos, cement, terrazzo and coloured cement finishes.

SITE WORK

STORAGE

Store at room temperature in unopened drums for a maximum of 4 months from date of invoice.

WEATHER

Do not apply during wet or freezing weather conditions.

SURFACE PREPARATION

Surfaces should be clean and dry. Concrete, plaster or cement bricks should be at least 1 month old.

The information presented is intended guide only and is correct to the best of our knowledge at the time of publication. It should not be considered as a definitive approval for suitability for a particular purpose. Please contact the manufacturer, distributor or approved applicator for confirmation of suitability. Ancillary detailing recommendations are provided in good faith to assist in achieving final waterproof result. We accept no liability for those recommendations or those products performance in use.

MASKING

Mask all adjacent surfaces, especially glass or aluminium to prevent etching or staining.

MIXING

Rock drum in inverted position for a few minutes before opening and stir contents thoroughly before use.

APPLICATION**SURFACE TREATMENT**

Apply liberally from bottom to top using a brush, roller or low pressure spray to dry surfaces.

DAMP-COURSE REPAIR

Strip plaster from brickwork and drill at an angle of 30 to 60 degrees at least 50mm into the brick about 100mm apart. The liquid can be gravity fed using a funnel into each brick in the course immediately above the faulty damp proof-course. If pressure injection is used, 30-50psi is common. Inject until SiliconSeal bleeds back through the face of the brick. Wash equipment in mineral turps. When re-applying plaster cut control joints through to the brick at DPC level.

CURING

SiliconSeal should be allowed to dry for at least 3 to 5 days depending on the weather to allow the solvent to fully evaporate. The best time to overcoat SiliconSeal with a sealer or paint would be between 3 to 5 days after application. Application before or after this window will result in adhesion problems. Full cure takes place after 7 - 14 days.

COVERAGE

Face bricks: 6m²/litre

Porous bricks: 3m²/litre

Concrete: 4m²/litre

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

PACKAGING

Available in 1 litre, 5 litre and 25 litre containers.

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.

A milky white water-based, low viscosity, penetrating liquid for hydrophobic infusing and priming of mineral surfaces. Using the latest technology, the product is especially characterized by an excellent beading effect. It is supplied ready for application by brush, roller, or spray and when applied to mineral substrates, it will reduce the capillary absorption of the building which it has penetrated but does not clog pores or capillaries. There is therefore little or no impairment of the building material's ability to "breathe".

PURPOSE

SiliconSeal Water-Based combines the properties of both organic polymers and inorganic silicates like quartz, and cures to form durable cross-linked resins. Depending on porosity of the surface to be treated, SiliconSeal Water-Based penetrates the pore structure to a depth of about 10mm and alters the masonry / water interfacial tension in this region. Masonry treated in this way can still "breathe" and moisture can dry out through the surface.

TECHNICAL DATA

TYPE	PENETRATIVE WATERPROOFING SYSTEM
COLOUR	MILKY WHITE LIQUID WHICH DRIES CLEAR
PAINTABLE	3 - 5 DAYS
FINAL CURE	7 - 14 DAYS
WORKING TIME AFTER MIX	NOT APPLICABLE
APPLICATION TEMPERATURE [AMBIENT]	5°C TO 30°C
SUBSTRATE TEMPERATURE	5°C TO 30°C
UV RESISTANCE	STABLE
ABRASIVE RESISTANCE	PENETRATIVE SEALER. AS GOOD AS THE SUBSTRATE
DENSITY	0.95KG/LITRE
PROTECTION DURING APPLICATION	USE SUN, WIND AND RAIN BARRIERS / PROTECT GLASS AND ALL METAL SURFACES
SAFETY	SEE MSDS

APPLICATIONS

SiliconSeal Water-Based is an excellent water-repellent for many absorbent mineral substrates, such as bricks, sand-lime brick, natural sandstone, and mineral plasters. It is less suitable for less absorbent, dense natural stone, especially limestone, marble and reinforced concrete for bridges and roads. Owing to its aqueous consistency and storage stability, SiliconSeal Water-Based is ideal for in-plant impregnation of building materials made of clay, aerated concrete, sand-lime brick, fibrous cement, mineral fibres, and lightweight aggregate. SiliconSeal Water-Based may also serve as a water-repellent primer for emulsion paints and plasters, silicone resin emulsion paints and silicone resin plasters.

Apply the ready-to-use solution by flooding. Excess solution can be mopped up. For very absorbent substrates, you may need to apply 2 coats.

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.

COLOURS

A milky white liquid treatment which dries clear and does not darken or change the colour of the surface to which it is applied.

SPECIFYING

SURFACE TREATMENT

Cemcrete's SiliconSeal Water-Based Sealer applied liberally by brush, roller or spray in one coat. SiliconSeal Water-Based should be applied to a substrate to a point of saturation (until surface absorbs no more). Can be applied liberally by brush, roller, or spray. SiliconSeal Water-Based is not film building, but rather crystalline in structure for water repellence and in certain application it should be over coated with a film forming sealer to stop dirt retention i.e. wet areas and high dirt environments.

SPECIMEN FINISH

A trial area should be treated on-site for the architect or engineer's approval.

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SUITABLE SURFACES

Concrete, cement plaster, mortar, natural sandstone, clay and cement bricks, and coloured cement finishes.

SITE WORK

STORAGE

Store at room temperature in unopened drums for a maximum of 4 months after date of invoice.

WEATHER

Do not apply during wet or freezing weather conditions.

SURFACE PREPARATION

Surfaces should be clean and dry. Concrete, plaster, or cement bricks should be at least one month old.

MASKING

Mask all adjacent surfaces, especially glass or aluminium to prevent etching or staining.

MIXING

Rock drum in inverted position for a few minutes before opening and stir contents thoroughly before use.

CURING

SiliconSeal Water-Based should be allowed to dry for at least 2 to 3 days depending on the weather to allow the water to fully evaporate. The best time to overcoat SiliconSeal Water-Based with a sealer would be between 2 to 7 days after application. Application before or after this window will result in adhesion problems. Full cure takes place after 14 days.

COVERAGE

Face bricks: 6m²/litre

Porous bricks: 3m²/litre

Concrete: 4m²/litre

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

PACKAGING

Available in 1, 5 & 20 litre containers.

MANUFACTURER'S WARRANTY

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