

## Siliconseal

### Description

A colourless, low viscosity, penetrating liquid for application to masonry or concrete surfaces. Based on silicones, it is supplied ready for application by brush, roller or spray. Siliconseal 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 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.

### Purpose

Siliconseal greatly reduces the water absorption of concrete, clay bricks, natural stone, asbestos 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. Improves the light reflectivity of bridges, and therefore their visibility at night, in wet weather by keeping the surface dry.

### Applications

Surface coating for building restoration and protection against spalling, cracking, efflorescence and fungal growth.

### Colours

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

### Specifying

"Surface treatment : Cemcrete Solvent Based Siliconseal applied liberally by brush, roller or spray in one coat. Damp-course repair : One course of bricks at damp-proof course level to be drilled and saturated with Cemcrete Solvent Based 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, ceramics, 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.

#### 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.

#### 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 with brush, roller or low pressure spray to dry surfaces. Damp-course repair : Strip plaster from brickwork and drill 2 holes two thirds into each brick in course immediately above the faulty damp-proof-course. If pressure injection is used, 30 to 50 psi is common. Inject until Siliconseal bleeds back through the face of the brick. Wash equipment in turpentine.

#### Curing

Siliconseal cures naturally in 24 hours.

#### Coverage

Face bricks 6m<sup>2</sup>/litre

Porous bricks 3m<sup>2</sup>/litre

Concrete 4m<sup>2</sup>/litre

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

#### Packaging

Available in 5 litre and 25 litre non-returnable drums.

### Technical Information

Cemcrete provides a free comprehensive technical service based on over 3 decades of experience in the field of surface applications and cement technology.

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