

SAFETY DATA SHEET



Clean Screens Grout Surface Application

- Concrete
- Manmade Stone
- Pavers
- Concrete Bricks
- Plaster , Render
- Fibre Cement products

Water based Impregnating Cementitious Grout Seal

DESCRIPTION

Clean Screens is a solvent and VOC free, self- assembling oligomeric micro emulsion in water. Manufactured with a new patented process, the very consistent material mix is providing a capillary impregnation without filling the pores and capillary structure of the substrate.

The product is designed as a water- soluble impregnating agent for masonry, including highly alkaline surfaces. The product content of higher alkylated raw material allows the to be used on alkaline building materials. It chemically bonds with concrete and masonry substrates and becomes invisible once dry.

Its penetration and subsequent chemical reaction with the concrete allow it to provide long term protection for concrete by significantly reducing the ingress of liquid water and any dissolved salts that the water may carry. This product prevents the ingress of liquid water carrying chloride ions. Clean Screens Grout Sealer is VOC free and has been tested as LEED conform product.

SURFACE PREPARATION

The surface must be clean, dry and free of dirt, dust, contaminants, oil and coatings.

Standard surface preparation can be used. Old and moss and algae invested substrate should be cleaned with high pressure water. Efflorescence must be removed with Clean Screens Calcium Dissolver.

APPLICATION

The surface must be dry.

Standard processes for the water-repellent treatment of masonry can be used. These include spraying, dipping, and flow coating, or brushing. Avoid overspray or splashes on adjoining surfaces, or surfaces not to be treated. It is very important to apply a significant amount to the substrate to get the penetration depth. 2 coats wet on wet should be applied. On standard concrete 200 ml/m² must be applied. The concrete must be treated to full saturation. The product will penetrate slowly and completely into the masonry. Product sitting on the surface or grout joint during the application is not an issue and will penetrate as well. Vertical surfaces like facades should be treated from the ground up.

Don't apply in bad weather conditions. Impregnation needs 2 – 3 hours to be rain proof. We are not recommending the use of paint rollers because such applications methods are tend to apply inadequate volumes. It is also suitable as an aqueous deeply penetrating primer for coatings like emulsions, silicone resin paints and ready mixed coloured acrylic render. On Natural Stone please test first. Grout Seal is not for painted or coated surfaces.

FEATURES & BENEFITS

- Water based, environmentally friendly
- VOC free, LEED conform product.
- Water repellent.
- Good penetration into porous materials
- Excellent moisture regulation
- Economical, outstanding coverage rate
- Permeable to vapour

SPECIFICATIONS

Supply form:	- Liquid
Colour:	- Milky
Density:	- Approx 1.0
Solvents:	- < water
Flashpoint:	- N/A
Storage temperature /	- Between +5°C /+35°C 4 to 35°C/
Application temperature:	39 to 86°F

For Surface Application

BULK IMPREGNATION

Please refer to the data sheet for the use as bulk treatment.

CURING

- First results will be visible after 24 hours.(low water absorption)
- During application and drying, the temperature should not drop below +2°C/ 41°F.
- Dries within 1-4 hours on the surface under normal conditions (20°C/68°F, 50% relative humidity).
- The drying time varies with the temperature / humidity and surface conditions.
- Surface application temperature: + 5 °C to +35°C/41 to 90°F.
- Avoid applying on extremely hot surfaces.

CONSUMPTION

Consumption app. 200 ml per square metre of product, depending on the absorbency and the condition of the substrate.

STORAGE

Grout Seal can be stored in tightly sealed original containers for at least 24 months, if kept dry and at moderate room temperatures.

It is important to reseal containers tightly after use. Store in a cool, dry place and protect from heat, freezing and direct sunlight.

Diluted formulations typically remain stable and suitable for application for 6 month. If stored over longer periods, the formulation may separate. In this case, the formulation must be vigorously stirred before application. In the case of longer storage of the diluted formulation, bacterial contamination can become more likely. In this situation, the addition of an appropriate anti - algae agent during the initial dilution may be necessary. The product is sensitive to frost and heat and must not be stored at temperatures below 0 °C or above 35 °C. Irreparable damage is possible. In the case of suspected frost or heat damage, the usability of the product has to be checked before processing. The product may change after prolonged standing (e.g. form creaming, sediment, separate).

Please stir well before use.

PRECAUTIONS

READ ALL SAFETY DIRECTIONS AND WARNINGS ON PACKAGING BEFORE USE.

REFER TO MATERIAL SAFETY DATA SHEET FOR HANDLING PROCEDURES.

Clean Screens Grout Seal is not classified as dangerous goods.

Adequate protective personal equipment should be used. **Please read the Material Safety Data Sheet.**

50 m2 of concrete and can vary.

CLEANING

Coverage rates are a guideline only.

Tools should be cleaned with clean water after use.

PACKAGING

500ml, 1 litre / 20 litre drums, 200 litre, 1000 litre Tank

The information, and, in particular, the recommendations relating to the application and end-use of the products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed.

All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Technical information and services are freely available from the Web site **www.cleanscreens.store**

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Technical Data Sheet **Clean Screens Grout Seal**

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