

## PRODUCT DATASHEET

### TILE AND GROUT SEALER

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**MANUFACTURER'S CODE:** TGS1-200

**UPDATED:** 12-06-2023

**PRODUCT NAME:** TILE AND GROUT SEALER

**DESCRIPTION:** TILE AND GROUT SEALER is a high-quality solvent-based penetrating silane/siloxane water repellent for ceramic and masonry building materials. The product is designed to penetrate deep into the capillaries of ceramic and masonry surfaces and render them water repellent. This water repellent zone significantly reduces the absorption of water or other water-borne staining materials which are responsible for the bulk of the deterioration in masonry building materials such as grouts. It will also significantly reduce the incidence of efflorescence. The treatment will not significantly change the appearance of the treated surface, or the vapour permeability. However, a slight darkening of the surface may occur for some substrates.

**RECOMMENDED USES:** TILE & GROUT SEALER is particularly recommended as a water repellent sealer for tiles and grout. Suitable tiles include ceramic, terracotta, concrete and natural stone. It may also be used to seal other porous masonry building substrates and renders.

Some of the important features of TILE & GROUT SEALER include:

- Penetrates into masonry substrate surface.
- Permanently bonds to the substrate with no peel or blister.
- UV, alkali stable and durable formulation.
- Reduces water penetration, efflorescence and water-borne staining.
- Does not significantly change the surface appearance and vapour permeability.
- Easy application and cost effective.

As masonry materials vary significantly, a test **MUST** be carried out prior to application to determine the suitability of this product for the purpose.

**USE INSTRUCTIONS:****Application**

Please read this product information for the correct application and safe handling. Do not apply if rain or extreme weather conditions are expected. The surface to be treated should be dry, firm and free from grime, oil and any previous coatings/sealers. If necessary, the surface should be washed with a suitable detergent in water and allowed to dry. All cracks should be filled with suitable grouting materials and allowed to cure before application. A test prior to application is strongly recommended to determine the number of coats required and suitable consumption rate.

TILE & GROUT SEALER can be applied using brush, roller or spray. However, the product is preferably applied by saturation flooding using a hand pressure sprayer or airless spray equipment.

For the vertical surfaces, the product should be applied as a liquid thin film stream which runs down the surface approximately 30 - 40cm. A second application should follow immediately after the first coat is absorbed by the surface. This is termed a "wet-on-wet" application. The object is to saturate the surface to allow better penetration.

For horizontal surfaces, the product should be applied by flooding the surface for about 10 minutes to ensure the penetration of product into the surface. If the sealer is quickly absorbed by the substrate after the first application, a second coat may be required immediately. Any remaining liquid which has not been absorbed by the surface after 10 minutes, should be removed to avoid excessive accumulation of the sealer, which may cause an uneven or glazed finish.

The number of applications depends on the permeability of the substrate. Generally, for very dense surfaces, such as ceramics, one application may be sufficient, but for permeable substrates, such as grout, two or more coats "wet-on-wet" may be required.

Do not splash or spray the product onto any area you do not wish to treat. If splashing occurs the product should be removed with a cloth damped in a solvent such as mineral turpentine immediately.

**Consumption rate**

The consumption of TILE & GROUT SEALER varies significantly depending on the permeability of the substrate. It may be of the order of 4 - 15m<sup>2</sup> per litre per coat or could be out of this range significantly.

**After application**

The initial surface water repellency will develop after the surface is dry. Full curing may take 24 hours or up to 7 days. Avoid heavy traffic or any staining for at least 24 hours. The equipment can be washed in a solvent such as mineral turpentine.

**Pilot testing and quality control**

Due to the variation of building materials, it is strongly recommended that a pilot test on a small area should be carried out prior to application to confirm the suitability of this product for the purpose.

<b>TYPICAL DATA:</b>	Appearance:	Colourless liquid with hydrocarbon solvent odour
	Solids content:	<50% by weight
	Specific Gravity:	0.79g/ml at 20°C
	pH value:	Not allocated
	Solubility in water:	Insoluble in water
	VOC content:	>50%
	Flash point:	>61°C

**IMPORTANT NOTE:** TILE & GROUT SEALER penetrates into the capillaries and renders the surface water repellent while still leaving most of the capillaries open to allow water vapour to pass through. It reduces water absorption by capillary action. It has a limited resistance to water penetration under prolonged contact or hydrostatic pressure. In some cases, where the substrate is very permeable or there is extreme driven rain, resistance to water penetration or water-borne staining may not be adequate.

**HANDLING & STORAGE:** TILE & GROUT SEALER is a hazardous and combustible material. Refer to the Safety Datasheet for safe handling. Follow good industrial hygiene procedures when using this product. Vapour inhalation and skin or eye contact should be avoided by wearing appropriate protection. Wear an air-purifying respirator if there is a risk of exposure to high vapour concentrations. Wash hands after handling. The product should be stored in closed containers in a cool dry place away from any fire or ignition sources. The product has a shelf life of 12 months in a sealed original container stored under 25°C.

**Use in areas with sufficient ventilation away from fire or ignition sources!**  
**Do not aspirate or ingest!**  
**Keep out of reach of children!**

**PACKAGING:** TILE & GROUT SEALER is available in 1, 5 and 20 litre plastic containers and 200 litre metal drums.

**Disclaimer:**

The information given in this data sheet is based on many years of experience and is correct to the best of our knowledge. As the storage, handling and application of this material are beyond our control; we can only be responsible for the quality of our product at the time of dispatch. We reserve the right to alter certain product parameters within the spectrum of properties in order to keep abreast of technical advances. It is the responsibility of the end user to determine the suitability of this material for any particular application.