

A clear, penetrating, water repellent silane-siloxane sealer

Uses

Use on masonry, concrete, bricks, sandstone, grout and porous tiles*. Can be used on all types of new and existing structures including those in coastal environments providing a clear natural finish while allowing the substrate to breathe.

*Test absorption of tiles before applying to entire area as Emer-Proof Silane Sealer may leave a residue if applied excessively.

Advantages

- Excellent water repelling properties
- Penetrates into porous substrates
- Clear
- Non-staining
- Allows water vapour to escape from the structure

Design criteria

Emer-Proof Silane Sealer should be applied in 2 coats at 5m² per litre per coat depending on the substrate being treated.

Properties

The stated properties are based on coverage rate of 2 coats @ 5m²/litre on concrete.

Reduction in chloride ion penetration to NCHRP 244 Standard:	92%
Reduction in water absorption to NCHRP 244 Standard:	85%
VOC content:	697g / litre

Application instructions

Preparation

All surfaces should be completely dry and free from contamination such as oil, grease, loose particles, decayed matter, moss, algal growth, laitance and all traces of mould release oils, paint coatings and curing compounds. This is best achieved by lightly grit-blasting the surface. Where moss, algae or similar growths have occurred, treatment with a propriety biocide should be carried out after the grit-blasting process.

Application

Emer-Proof Silane Sealer can be applied by brush, roller or low pressure spray.

Number of coats:	2 coats
Theoretical application rate per coat:	5 m ² / litre
Overcoating time:	2 hours @ 20°C

Emer-Proof Silane Sealer should be allowed to dry for a minimum of 2 hours (at 20°C) before continuing.

Cleaning

Emer-Proof Silane Sealer should be removed from tools and equipment using Xylene immediately after use.

Limitations

Emer-Proof Silane Sealer should not be contaminated with water. The application of Emer-Proof Silane Sealer should not commence if the temperature of the substrate is below 2°C.

Emer-Proof Silane Sealer may darken some polymer modified substrates and white cement. A trial area is recommended.

*Emer-Proof Silane Sealer may leave a residue on some tiles if applied excessively. Test absorption of tiles before applying to entire area.

Emer-Proof Silane Sealer may leave a residue on non porous surfaces it is advised to cover the surrounding areas prior to application.

Emer-Proof Silane Sealer cannot be applied to a damp surface as this will prevent the Silane Sealer from penetrating into the substrate. If any doubt exists as to the moisture content of the substrate an appropriate moisture test should be conducted.

Estimating

Supply

Emer-Proof Silane Sealer 15 litre: FE200100-15L

Coverage

Emer-Proof Silane Sealer: 5 m² / litre / coat

Note: these coverage figures are theoretical - due to wastage factors and the wide variety and nature of possible substrates, practical coverage figures will be reduced.

Maintenance

No special maintenance is required for Emer-Proof Silane Sealer though the surface will still require cleaning as part of its own maintenance cycle and when cleaning, a mild (pH neutral) detergent should be used and then rinsed clean with water. Re-sealing will only need to occur as the substrate wears, so this will vary due to different substrate and environmental conditions. A vertical facade wall may not require re-sealing for more than 10 (ten) years.

Storage

Emer-Proof Silane Sealer has a shelf life of 36 months if kept in a dry store in the original, unopened containers away from sources of heat and naked flames. If stored at high temperatures and/or high humidity conditions the shelf life may be reduced.

Emer-Proof® Silane Sealer

Important information

A Safety Data Sheet (SDS) and Technical Data Sheet (TDS) are available from the Emer website. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.



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