



Technical Data Sheet

Description

Tek-Coat WR is a single component high penetrating silane siloxane based waterproof protective treatment on a wide range of masonry substrates without affecting the natural appearance of the surface.

Advantages

- Easy to apply
- Transparent coating
- Reduces water absorption
- Reduces chloride ion ingress
- UV Resistance
- Compatible with solvented surface coatings

Uses

Protective coating for wide range of substrates and areas of application, which includes;

- Concrete
- Brickwork
- Natural & artificial stone, and
- Bridges
- Tunnels, etc.,

Physical Properties*

Property	Typical Results
Specific gravity (g/cc)	0.80 ±0.05
Appearance	Colorless, clear liquid
Reduction in chloride ion penetration	90%
Reduction in water absorption	85%
Chemical resistance	Resistance to petrol, oil and other atmospheric contaminants
*The above properties are average laboratory values	

Application Properties

Touch dry	6 hours at 25°C 4 hours at 35°C
Minimum overcoat time	4 to 6 hours
Maximum overcoat time	24 hours
Full cure	4 days

Packing

Tek-Coat WR is available in 20 lt. & 200 lt. drums.

Theoretical Coverage

4 to 5 m² per litre per coat minimum for a two coat application to dense substrates.

Shelf Life

12 months when stored in cool dry environment in factory packed unopened containers.

Installation Guidelines

Spraytek provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the work. The information below is a summary intended for guidance only.

Surface Preparation

All substrates must be structurally sound. Loose or unsound material should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The old concrete and masonry structures will require cleaning by water jet to remove accumulated dust and salts. After washing, the surfaces must be allowed to dry.

Mixing

Tek-Coat WR is supplied as a single component product. Make sure to shake the drum and stir the product prior to application.

Application

We recommend checking the substrate before commencing coating works to ensure it is at least 3°C above dew point.

A minimum of 2 coats of **Tek-Coat WR** are recommended.

Apply the first coat using brushes, rollers or low pressure spray equipment in a continuous uniform coating, to a theoretical coverage rate of 4-5 m² per litre. Apply the second coat of in the same manner as the first, allowing at least 4 hours drying time between coats for the solvent to fully evaporate.

A third coat of **Tek-Coat WR** may be required if the substrate is particularly porous. Allow adequate ventilation for solvents and fumes to evaporate.

It is recommended to do on site trials to assess the compatibility with the substrate, suitability of the spray equipment and the actual coverage rates that can be achieved, prior to commencement of the works.

Precautions

Do not add any thinner or solvent.

Do not apply in wet conditions or at temperature below 3°C of the dew point.

Do not dispose into water drains.

Do not use in immersed conditions

Avoid skin contact

Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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