



TufSilan PU

Polyurethane Prepolymer Surface Coating

Uses

- Used as a water resistant bonding coat inhibiting the ingress of water and fuels to the underlying pavement structure.
- Used to improve resistance to a wide range of chemicals including oils, fuels, and de-icing chemicals.

Typical Applications & Advantages

- Designed for applications in surface coating and binding on substrates such as stone, concrete, and jointing sand.
- Penetrates the substrate and joints to give a flexible film, which gives improved chemical resistance, abrasion, and traffic wear performance.
- Used as a primer for sealants.

Product Description

TufSilan PU is low viscosity moisture curing polyurethane prepolymer based on toluene diisocyanate. TufSilan PU can be brush, roller, or spray applied.

Typical Properties

Appearance	: Clear Liquid
Specific Gravity	: 0.90
Flash Point	: 45°C
Solids Content	: 19-21%
Viscosity @ 25°C	: <50 (mPa.s)
NCO Content	: 1% max.
Free Monomeric Isocyanate	: < 0.5%
Working Temperature	: 5 - 40°C
Drying Time @ 20°C	: 3 hours min.
Solvent	: Naphtha B

Technical Support

GIC provides a comprehensive technical support service to specifiers, end users, and contractors and is able to offer on-site technical assistance.

Instructions for Use

Surface Preparation: All porous concrete/cementitious substrates should be dry, free from dust, loosely adhered material, plaster, and cement droppings, grease oil etc. On old

concrete, ensure the substrate is structurally sound prior to application.

Application: TufSilan PU can be applied by spray, rollers, or brush. Application should be closely monitored to ensure an even pin hole free surface with complete, even background coverage. The second coat should be applied at right angles to the first. A minimum of two coats is recommended.

Coverage

Coverage rates vary according to density, porosity, and texture of the concrete to be treated. Typically, a coverage rate of 1kg/2.3m²/coat is possible.

Packaging & Storage

TufSilan PU is supplied in 180 kgs drum and it has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions

TufSilan PU does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to be exposed to skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

For further information, refer to the Material Safety Data Sheet available for this product.

Important note

GIC endeavors to ensure that the technical information contained herein is true, accurate and represents our best knowledge and experience. No warranty is given or implied with any recommendations made by us, our representatives or distributors, as GIC has no control over the conditions of use and the competence of any labour involved in the application are beyond our control.





TufBond

As all GIC technical data sheets are updated on a regular basis it is the customer's responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.

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