



Technical Data Sheet

Description

Tek-prufe PU is a single component, VOC compliant, moisture cured, modified polyurethane waterproofing membrane with very good elongation properties.

Advantages

- Elastomeric
- Liquid applied
- VOC Compliant
- Easy to use
- Easy to repair
- Secured waterproof penetration properties

Uses

Can be used in waterproofing of,

- Wet areas
- Slabs
- Foundations
- Roofs
- Podiums

Physical Properties *

Property	Typical Results
Elongation	300%
Shore Hardness	>70
Tensile strength	5N/mm ²
Crack bridgability	>6mm
Bond to concrete	>2 MPa
*The above properties are average laboratory values	

Application Properties

Initial Cure	16hrs @ 25 deg C
Max recoat time	48 hrs @ 25 deg C

Standards Compliance

ASTM C 836 and BS8102

Packing

Tek-Prufe PU is packed in 20 liter and 200 liters drum

Colour

Primary colors. Delivery subject to availability & order quantity.

Theoretical Coverage

1.2 liters per square meter at 1.2 mm wet film thickness.

Shelf Life

12 months when stored in cool dry environment in factory packed unopened containers between 5°C – 25°C.

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

Concrete substrate must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The substrate must be prepared to create a 'key' for bonding by shot blasting or water blasting, or manual method. Remove all rust from the rebar, if any, and immediately apply **Tek-Prime ZR** onto the full surface of the rebar and allow to dry.

Priming

Priming is not normally required. However if the surface is very porous, then dilute **Tek Prufe PU** to 25% with solvent recommended by Spraytek and apply a thin absorption coat, taking care not to allow any ponding.

Mixing

Thoroughly mix with a slow speed drill and clean mixing blade for a minimum of two minutes. Mix slowly to minimize the vortex and minimize the trapping air in the product.

Application

Apply as a single coat, wet film thickness of around 1.5mm, by brush, squeegee, phenolic core roller or airless spray. Additional coats are not normally required. If the recoat time is exceeded, the base coat must be mechanically abraded, cleaned with acetone and allowed to dry before applying additional coats. Once the product has cured, carry out a water flood test to check for leaks.

Cleaning

All tools shall be cleaned with solvent as per Spraytek recommendation immediately after use. Hardened materials can be removed mechanically only.

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.

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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