

VS STICKPRUFE® PRE-BOND

High Performance Composite HDPE Waterproofing Membrane

Product Description

VS StickPrufe® Pre-Bond is a composite waterproofing membrane consisting of high density polyethylene (HDPE) sheet with a purposeful pressure sensitive adhesive and trafficable weather resistant protective coating. Its unique bonding to the concrete substrates prevents water ingress and migration as compared to other conventional sandwiched or protected waterproofing systems.

VS StickPrufe® Pre-Bond is especially suitable for use in confined sites where positive-side waterproofing is impossible.

Areas of Application

- Structures in contact with ground
- Basement structures
- Foundations
- Tunnels
- Blind side

Advantages

- Bonded system prevents water migration
- Positive-side waterproofing for confined sites
- Chemical resistant
- Unaffected by ground settlement
- No protection required
- Fast installation

Technical Properties

Property	Value
Thickness (nominal)	1.2 mm
Tensile Strength	>30 N/mm ²
Elongation	>800%
Peel Adhesion	>4 kN/m
Hydrostatic Resistance @ 7 Bars	Passed
Puncture Resistance	1,200 N

Installation

Site Preparation

All substrates before application of *VS StickPrufe® Pre-Bond* should be sound, clean, smooth, free of irregularities, voids, loose materials or sharp protrusions.

Where the substrate is not smooth, it should be rendered or flush pointed to give a smooth surface.

Application

For horizontal application, *VS StickPrufe® Pre-Bond* is installed loosely-laid with the HDPE sheet facing the prepared substrate and the pressure sensitive adhesive and protective coating facing the concrete to be poured.

For vertical application, *VS StickPrufe® Pre-Bond* is installed in a workable length with the HDPE sheet facing the prepared substrate or formwork and the pressure sensitive adhesive and protective coating facing the concrete to be poured. The membrane is mechanically fastened to the substrate along the top edge and when required, at the overlaps or other locations so that the membrane lays flat. The mechanical fasteners are sealed with *VS StickPrufe® Pre-Bond* Tape.

The membrane is unrolled and overlapped with a minimum of 75 mm width for adjacent sheets for side and end laps. For side laps, the joints are sealed by rollers after removing the plastic release film. For end laps, the joints are sealed by rollers after applying centrally the *VS StickPrufe® Pre-Bond* Tape.

Prior to the placement of reinforcement steel bars and concrete, the plastic release film is completely removed, exposing the protective coating. The membrane is inspected for damage and repair accordingly using *VS StickPrufe® Pre-Bond* and *VS StickPrufe® Pre-Bond* Tape.

The concrete can be poured immediately after the inspection or within 42 days from the membrane installation.

Health & Safety

VS StickPrufe® Pre-Bond is non-hazardous. Keep out of reach of children.

Note:

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