

PRODUCT DATA SHEET

PROTEFLEX 016

Flexible Hybrid Waterproofing

PRODUCT DESCRIPTION

PROTEFLEX 016 is a flexible 2- component polymer modified waterproofing coating (Part A-Polymer & Part B-Cementitious Powder with special components). It is suitable to be applied on concrete and mortar to prevent water infiltration as to fill and seal pores and voids crack and hair line of all substrates and yet provides a breathable coating which allows water vapour transmission.

RANGE OF USE

- Waterproofing of roofs
- Subsequent waterproofing of basements
- Waterproofing of reservoirs against inside water pressure
- Waterproofing of wet areas e.g. bathrooms, kitchens, laundries etc.
- Building elements in contact with drinking water
- Salt-loaded substrates
- WW waterproofing slurry as per DIN 19573

CHARACTERISTICS / ADVANTAGES

- Water pressure tight
- Very low emissions of volatile organic compounds (VOCs)
- Good adhesion to substrates, subfloors and stable adhesive residue
- High sulphate resistance and low active alkali content
- Anti carbonation
- Enables water vapour diffusion
- Chemical resistance according to DIN 4030

PRODUCT INFORMATION

Packaging	10 Kg pail of Polymerized liquid (component A) 20 Kg pail of Powder (component B)
Appearance / Color	Gray
Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging
Storage Conditions	Store dry at 41°– 86 °F (5°– 40 °C) Protect from moisture. If damp, discard material

PRODUCT PROPERTIES

Test	Test Result	Standard
Water Penetration	0 mm (no water penetration)	DIN 1048
Toxicity	Non toxic	BS 6920 : Part 1:2000 / SPAN
Compressive strength	10.8 N/mm ²	ASTM C109-92
Adhesive strength	1.1 N/mm ²	ASTM D4541
Tensile strength	>1.5 N/mm ²	ASTM D412
Flexural strength-28 days	8.2 N/mm ²	BS 4551:1998
Abrasion resistance	1.52 g/h.m ²	ASTM D4060-84
Water vapor transmission	1.02 g/h.m ²	ASTM E96
Elongation at break	<150%	ASTM D412
Crack Bridging	No Crack at 2mm	ASTM D836

APPLICATION INSTRUCTIONS

SUBSTRATE REQUIREMENT

- Even-surfaced, mineral substrate.
- Clean, dust-free, and capable of supporting a load.
- Prepare concrete substrates at wall/base transition areas by means of mechanical material removal.
- Matt damp surfaces are permitted.

SUBSTRATE PREPARATION

- Remove debris and mortar remains from the surface.
- Application of chemical (Penetrative Waterproofing) around the corners and at pipe penetrations.
*Note: Penetrative Waterproofing Chemical is a permanent waterproofing system which penetrates the substrate.
- Close indentations and cracks with mortar after treating it with chemical (Penetrative Waterproofing).
- Smooth out inner corners using a suitable mineral mortar.

MIXING

- Mix the liquid component (component A) with a suitable mixing tool.
- Pour the loosened powder component (component B) completely onto the liquid component.
- Mix for approx. 1 minute before suspending the mixing process to allow the air that has been stirred in to escape
- Smooth out inner corners using a suitable mineral mortar.
- Remove the powder adhering to the sides.
- Mix again for approx. minutes.
- Keep the mixing tool near the bottom of the bucket while mixing.

DIRECTIONS

- Apply the product in two layers on the previously prepared substrate.
- The maximum total wet coat thickness must not exceed 3 mm.
- Moving the material (e.g. by stirring) in the mixing bucket can prevent premature skin formation.
- Protect the fresh waterproofing layer from rain, frost and condensation water.
- Once dry, protect from mechanical damage.