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CHEMICALS & SERVICES

BuildTech Seal Proof-12

(TWO COMPONENT POLYMER MODIFIED CEMENTITIOUS WATERPROOFING)

Product Description: BuildTech Seal Proof 12 is a polymer modified 2 parts- Part A is a specialized Liquid and Part B is Pre-Mixed powder used as multipurpose waterproofing, combines with a capillary action and pore blocking effect, for excellent waterproofing effects.

BuildTech Seal Proof-12 has excellent adhesion to concrete substrate along with 2-3 bar positive pressure bearing capability. BuildTech Seal Proof-12 is used as an economical and easy to use waterproofing slurry, equally good for internal and external use.

Application:

- ✓ Waterproofing hydraulic channels faces of dams and basins.
- ✓ Waterproofing bathrooms, showers, balconies, terraces, swimming pools, before laying ceramic tiles.
- ✓ Waterproofing plasterboard, render or Cementitious surfaces, lightweight cement blocks and marine-grade plywood.
- ✓ Waterproofing old house repairing leakages.

Advantages:

- ✓ Excellent resistant to UV- Rays.
- ✓ Polymer modified: Improve bond strength on a variety of substrates concrete, wallboards, cement sheeting.
- ✓ Flexible: can withstand moderate movements of hairline cracks. Bridges cracks up to 1mm width.
- ✓ Weather Resistant: Suitable for use in exposed conditions.
- ✓ Brush-able consistency

- ✓ Non-Toxic: can be used on the surface in contact with drinking water.

Limitations:

- *Only be used at moderate traffic areas.*
- *Must be protected against rapid drying or High temperature to get clear waterproofing slurry Coating.*
- *Not an aesthetic coating.*
- *Not recommended on aluminum substrate to prevent adverse chemicals reaction.*
- *Allow two days curing before subjecting BuildTech Seal Proof-12 to submersion.*

Technical Data	
Color	Grey/ White
Particle Size	Max 0.5 mm
Specific Gravity	1.50-1.55 Kg/L
Elongation (ASTM 412)	>40% @ 2.2mm thickness
Tensile Strength (ASTM 412)	>1.6 N/mm
PH	12
Consumption	~ 2 kg/mm (Depends upon substrate)
Adhesion Pull Off (ASTM D7234)	>1.2 N/mm
Crack Bridging Capability	>1.0 mm
Resistant to water	- Pressure: 3 Bar + Pressure: 6 bar (DIN 1048)
Freeze/Thaw Resistance	Up to 50 cycles
Chemical Resistance	Strong resistance against petrol, diesel etc.
Toxic	Non Toxic

Manufactured by: BuildTech Chemicals & Services.

Mobile: +923006370991, +923366485548 Email: Info@buildtechchemicals.com

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Properties		
	Part A	Part B
Supply Form	20 Kg	4 Ltr
	Powder Premixed	Specialized Liquid
WT 20 Degree	1 Hour (Appox.)	
WT at 30 Degree	0.5 Hour (Appox.)	

WT: Working Temperature

Method for Applicator /Method Statement:

Substrate Preparation:

Substrate preparation is more important for optimum performance. Substrate surface Tensile Strength should be more than 1.3-1.4 Mpa by pull off tester, clean, and free from all dust and loose particles, Oil and grease or any other contaminations.

Note: To get smoothness and to fill holes in substrate surface and for repairing use BuildTech's Repair-Mortars range.

Mixing:

Suitable paddle or mechanically powder mixer should be used for proper mixing.

Slow speed Heavy duty electric mixture wing type paddle is recommended speed should be in between 300-400 RPM. Add 70 % of part B in the clean bucket then adds part A slowly in the pail and start mixing with paddle, clear and homogenized slurry should be obtained in between 3-4 mints. Add all parts slowly in the bucket and Allow to stand for 2-3 minutes before application.

Application tools:

Brush Application: Soft bristled wallpaper paste brush (120to 220 mm wide).

Trowel application: Steel plastering trowel also has the benefit of speed over brush application.

Finishing tools: Finish tool is required to produce a smooth finish or to repair film defects, like plastering trowel, a chalking tool and hand sponge, all those should be used immediately otherwise coating slurry may drag or tear. Wet sponge should not be used as this will cause polymer to come to the surface of the coating.

Tools List:

Paddle mixture, rectangle and triangular steel trowel, steel brush, gloves, spatula, paint brush, plastering trowel, Plastic pail.

Application recoating Time:

For second coat wait till 4-6 hours to dry first coat properly.

Cleaning:

Clean all tools immediately after application.

Note: For curing please see limitations of the products.

Packaging:

BuildTech Seal Proof-12 is Available in 24 kg (Part A-20 kg Part B-4 Liter)

Yield: *Only be used at moderate traffic areas.*

Recommended coverage of **BuildTech Seal Proof-12** is 2 kg/m.Sq per coat to obtain an approximately wet film thickness of 1 mm (Appox.)

For damp-Proofing apply only one coat, and for waterproofing two coats are recommended.

Coverage of kit depends upon the substrate porosity, and blowholes.

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Storage:

BuildTech Seal Proof-12 shelf life is up to 11 months when stored in dry places and Temp is in between 5-30 Degree.

For further Info please refer to BuildTech Seal Proof-12 MSDS.

Health and Safety: As BuildTech seal Proof-12 may contains sand aggregates, cement and hazardous polymer it may irritate your skin and eyes. Before use consult BuildTech Seal Proof-12 MSDS or contact with BuildTech Chemicals & Services Technical Department.