

TRUBUILD WPL 333

Waterproofing Latex

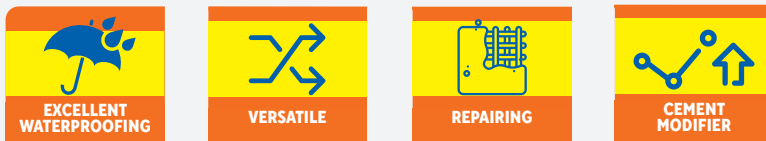


TECHNICAL DATA SHEET

VER NO. 1.1

TRUBUILD WPL 333 (Waterproofing Latex) is a ready to use, styrene butadiene latex (SBR). It is used for the repairing of old construction, like floor, beams slabs, etc. and waterproofing of toilets, kitchen, roof, bathroom and terraces. It exhibits excellent bonding strength to adhere old to new concrete and to plaster. It reduces shrinkage, cracking, etc.

ADVANTAGES



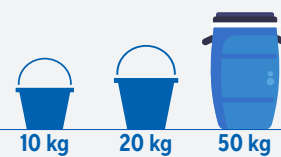
- Free from chloride content
- It prevents cracking, improves hardness & flexural strength
- Single component product hence easy to use
- It exhibits excellent bonding on various substrates like concrete, masonry & plasters, etc
- Excellent cement modifiers



AREAS OF APPLICATION



AVAILABLE PACKING



APPLICATIONS

- It can be used for different concrete repair application like spalled concrete, floor, columns, beams, slab & parapet, etc.
- Also, it can be used for waterproofing of toilets, kitchen, bathroom and terraces.
- It can be used as a bond coat and to bond mortar for old to new concrete for tiles & panel, etc.
- It can also be used as an additive polymer for cement-base injection grouting
- It can be used for crack-filling
- It can be used as an anti-corrosive coating for reinforcement.
- It is also used for waterproofing of retaining wall, swimming pools & RCC Water Tanks.

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HOW TO USE

SURFACE PREPARATION

- The surface should be cleaned by manual or mechanical means and it should be free from dust, unsound material, loose plaster, oil, paint, grease, algae and corrosion deposits.
- Roughen any smooth surfaces by scrubbing.
- Surface should be brought to a Saturated Surface Dry condition before the application of a waterproof coating.

MIXING

- For less than 25 kg, hand mixing is permissible. For quantities above 25 kg, use suitable mechanical mixture to get proper homogeneous mixing.
- Before application, the surface should be thoroughly saturated with water and removal of any excess water should be ensured prior to application.

WATERPROOF COATING

- For waterproof coating, make a slurry of 1:1.5 ratio (by volume) of Trubuild WPL 333 and cement. Charging of cement and mixing should be done slowly to avoid any air entrapment.
- Apply the 1st coat on surface and allow it to dry. After 4-6 hrs of first coat, application, apply second coat and then again allow it to dry for 5-6 hrs. This should be followed by moist curing by sprinkling / spraying of potable water for 24 hrs. After moist curing, the surface should be allowed to air cure for 3 to 5 days before covering it with any protective screed.
- Theoretical coverage will be 20 to 22 sqft./kg/2 coats

NOTE : Coverage will depend upon the porosity and undulation of the substrate

RENDERS & PATCH REPAIRING MORTAR

- For render and patching repair mortar application, following quantities are to be mixed (cement: 50 kg, sand: 150 kg, Trubuild WPL: 6-7.5 kg & water: 10 L) and this mix can be used as per the requirement.

PRIMING

- For primer application used for bonding purpose, make a slurry of 1:1 ratio (by volume) of Trubuild WPL 333 and cement.
- Apply one coat on the surface.
- The repair or top mortar application should be carried out when the slurry coating is still tacky.

SCREED & PCC APPLICATION

- For screed & PCC application, quantities to be mixed are (cement: 50 kg, sand: 75 kg, 6 mm coarse aggregate: 75 kg, Trubuild WPL: 6-7.5 kg & Water: 10 lit) and this mix can be used as per the requirement.

TECHNICAL DETAILS

PROPERTIES	STANDARD	RESULTS
Physical state		Low viscous liquid
Appearance		Opaque
Colour		White
pH	IS:9103-1999	7-9
Density (g/cc)	ASTM D 1475:2013	Approx. 1.01-1.03
% Solid	ASTM D 1664:2001	38±2
Compressive strength	ASTM C 109-2021	Approx. 25-40 N/mm ²

APPLICATION & COMPOSITION

SR. NO	APPLICATION	COMPOSITION	QUANTITY OF TRUBUILD WPL 333	CONSISTENCY & THICKNESS
1	Patching & repair mortar	OPC - 50 kg washed sand: 150 kg water: 10 L	6 -7.5 kg	Mortar consistency, 5-25 mm thickness
2	PCC/floor screed	OPC - 50 kg graded & washed sand - 75 kg coarse aggregates (6mm down size) - 75 kg water - 10 L	6 - 7.5 kg	Mortar consistency, 10-40 mm thickness
3	Waterproofing coating	OPC - 50 kg	20 - 23 kg	Brushable consistency
4	Bonding primer	OPC - 50 kg	30 - 35 kg	Brushable consistency
5	Slurry for pin hole treatment & grouting	OPC - 50 kg water - 5 L	5 kg	Brushable consistency

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ADDITIONAL INFORMATION

HANDLING PRECAUTIONS

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed.

STORAGE

Product should be stored in a dry place in its original, properly closed container at temperatures between 2 - 40°C.

SHELF LIFE

24 months from the date of manufacturing

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