SBR 333

Waterproofing Latex

ASTRAL

TRUBUILD™

TECHNICAL DATA SHEET VER NO. N.1

PRODUCT DESCRIPTION

TRUBUILD SBR 333 (formerly known as WPL 333) (Waterproofing Latex) is a ready-to-use, Styrene Butadiene Rubber 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 also reduces shrinkage, cracking, etc.



FEATURES & ADVANTAGES

EXCELLENT WATERPROOFING | VERSATILE | REPAIRING | CEMENT MODIFIER

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

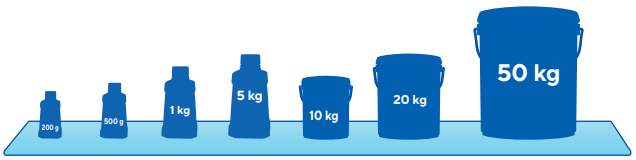
AREA OF APPLICATION







AVAILABLE PACKING



• 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, kitchens, bathrooms 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 walls, swimming pools & RCC water tanks.

METHOD OF APPLICATION

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 SBR 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 : 20 to 22 sq. ft./kg/2 coats

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

RENDERS & PATCH REPAIRING MORTAR

- For render and patch-repair mortar application, following quantities are to be mixed (cement: 50 kg, sand: 150 kg, Trubuild SBR 333: 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 SBR 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 SBR 333 : 6-7.5 kg & Water: 10 Lit) and this mix can be used as per the requirement.

HANDLING PRECAUTIONS

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

TECHNICAL PROPERTIES

PROPERTIES	STANDARD	RESULTS
Physical state		Low viscous liquid
Appearance		Opaque
Colour		White
pH	IS:9103-199	7-9
Density (g/cc)	ASTM D 1475-2013	Approx. 1.01-1.03
%Solid	ASTM D 1664-2001	38 $\pm$ 2
Compressive strength	ASTM C 109-2021	Approx. 30-40 N/mm^2

APPLICATION & COMPOSITION

S. 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	Bonding primer	Brushable consistency
5	Slurry for pinhole treatment & grouting	OPC-50 kg water-5 L	5 kg	Brushable consistency

STORAGE

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

SHELF LIFE

24 months from the date of manufacture.

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