



**TRUBUILD WPL 333 (WATERPROOFING LATEX)** is a ready to use styrene butadiene latex (SBR). It is used for repairing of old construction like floor, beams slabs etc. and water proofing of toilets, kitchen, roof, bathroom and terraces. It has excellent bonding strength for old to new concrete and to plaster. It reduces shrinkage, cracking, etc.

Meets the requirements of ASTM C 579, IS: 9103-1999 & IS-101 (P-8/S-6):1993

### 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 water proofing of toilets, kitchen, bathroom and terraces.
- It can be used as a bond coat and bonding mortar for old to new concrete for tiles & panel etc.
- It can also be used as additive polymer for cement base injection grouting
- It can be used for crack filling
- It can be used as Anti-Corrosive Coating for reinforcement.
- It is also used for water proofing of Retaining Wall, Swimming pool & RCC Water Tanks.

### ADVANTAGES

- Free from chloride content.
- Single component product and easy to use due to its low viscosity.
- It prevents cracking, improves hardness & Flexural strength
- It has excellent bonding on various substrates like concrete, masonry, stone work, plasters, and most of the building materials.
- Excellent Cement Modifiers.

### TECHNICAL DETAILS

PROPERTIES	STANDARD	RESULTS
Physical State		Low Viscous liquid
Appearance		Opaque
Colour		Milky White
pH	IS: 9103:1999	7-9
Specific Gravity		1.01-1.03
% Solid	IS:101 (P-8/S-6):1993	36-40%
Compressive Strength	ASTM C 579	30-40 N/mm <sup>2</sup>

### HOW TO USE

#### Surface Preparation

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

#### Mixing

- For less than 25 kg, hand mixing is permissible, for quantity above to 25 kg use of Suitable Mechanical mixture is recommended to get proper homogeneous mixing.
- Before application the surface should be thoroughly saturated with water and ensure removal of any excess water prior to application.

#### Waterproof Coating

- For water proof coating make a slurry of 1:1.5 ratio (by volume) or 1:2 polymer to cement ratio (by weight) of Trubuild WPL 333 and cement. Charging of cement and mixing should be done slowly to avoid any air entrapment.
- Apply 1<sup>st</sup> coat on surface and allow it to dry. After 4-6 hrs of first coat, 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.
- Coverage will be 20 to 22 sq.ft/kg/2 coats

#### Renders & Patch repairing Mortar

- For render and patching repair mortar application following quantities are to be mix (Cement: 50 kg, Sand: 150 kg, Trubuild WPL: 6-7.5 kg & Water: 10 lit) 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) or 1:1.5 polymer to cement ratio (by weight) of Trubuild WPL 333 and cement. Apply one coat on surface. The repair or top mortar application should be carried out when then slurry coating is still tacky.

#### Screed & PCC Application

- For screed & PCC application quantities are to be mix (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.

# TRUBUILD WPL 333

## Waterproofing Latex

### TECHNICAL DATA SHEET

VER NO. 1.5



#### 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 Lit	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 Lit	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 Lit	5 kg	Brushable consistency

#### STORAGE

Product should be stored in a dry place in their original, properly closed containers at temperature between 2 – 40°C. Partially emptied container should be closed immediately.

#### SHELF LIFE

24 months (Storage Temp 2 – 40°C)

#### HANDLING PRECAUTIONS

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product data sheets and the brochure “Hygienic precautions for handling plastics products”.

#### PACKING

200 gm, 500 gm, 1 kg, 5 kg, 10 kg, 20 kg & 50 kg

**IMPORTANT:** This technical data sheet replaces all previous versions of it from the immediate effect. The information, and, in particular, the recommendations relating to the application and end-use of Astral Limited construction chemical products, are given in good faith based on our knowledge and experience of the products when properly stored, handled and applied under suitable favourable conditions in accordance with Application instructions recommended in Product Technical Data sheet. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. For the products on which company is offering warranty, please refer to warranty document to know entire terms and conditions. The same can be availed on request or from company website. The values mentioned in the above tables in technical data sheet are obtained in controlled lab conditions when tested properly by competent laboratory. Tolerance up to five to ten percentage on the lower side from the above values are allowable as per standard. Astral Limited reserves the right to change the properties of its products. The end user of the product must test the product's suitability for the intended application and purpose. Astral Limited will not bear any responsibilities on the product failure if it is wrongly positioned or if improper application methodology adopted by the user or the applicator. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace, and disposal practices are in compliance with applicable laws and other governmental enactments.



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