

# TRUBUILD WSL 334

Waterproofing Super Latex

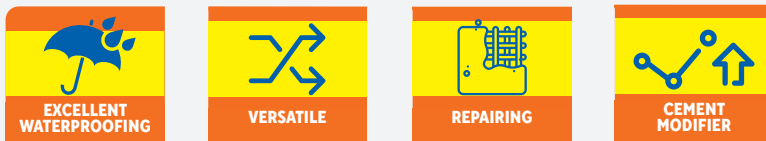


## TECHNICAL DATA SHEET

VER NO. 1.1

TRUBUILD WSL-334 (Super Latex) is a ready-to-use, styrene butadiene latex used for high performance applications of repairs and waterproofing. It is used for repairing of old construction like floor, beams slabs etc. and water proofing of toilets, kitchen, bathroom and terraces. It exhibits excellent bonding strength to adhere old to new concrete and to plaster.

### ADVANTAGES



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



### AREA OF APPLICATIONS



#### APPLICATIONS

- It is used for different concrete repair applications like spalled concrete, stone work, plaster, etc.
- It is also used for waterproofing of toilets, kitchen, bathroom and terraces to prevent leakage and dampness.
- It is used as a bond coat and to bond plaster to plaster, concrete to concrete, plaster to concrete, masonry to stone, work for plastering over brick masonry.
- It is used to repair cracks more than 5 mm in masonry and RCC substrate.
- It is used to coat rebar which prevents corrosion.

### AVAILABLE PACKING



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## HOW TO USE

### SURFACE PREPARATION

- The surface should be cleaned and dried before application. It should be free from dust, unsound material, loose plaster, oil, paint, grease, algae and corrosion deposits. Roughen the smooth surfaces by scrubbing.
- Expose corroded rebar and remove all scales & corrosion deposits on the surface

### MIXING

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

### WATERPROOF COATING

- Make a slurry of 1: 4: 7 ratios by volume using Trubuild WSL 334, water and cement.
- Charging of cement and mixing should be done slowly to avoid any air entrapment.
- Apply one coat on the prepared surface and allow it to dry. After 4-6 hrs of application of the first coat, apply second coat and then again allow it to dry. Overlay the 2<sup>nd</sup> coat with screed/plaster for protection.
- Theoretical coverage will be 80-90 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 WSL 334: 5 kg & water: 15 L)
- Mix 5 kg of Trubuild WSL 334 with 15 litres of water
- Use this mix to make mortar with cement & sand
- Wet the crack completely
- Apply a single coat of Trubuild WSL 334 prior to crack-filling
- Do the crack-filling when the coat is still tacky

### WATERPROOF OR REPAIR PLASTER

- For water proof or repair plaster the following quantities are to be mixed (cement: 50 kg, sand: 150 kg, Trubuild WSL 334: 1 kg & water: 20 L)
- Mix 1 kg of Trubuild WSL 334 with 20 litre of water
- Use this mix to make mortar with cement & sand
- Final layer of plaster must not be mixed with Trubuild WSL 334. Trubuild CPS should be added in the final layer of plaster.

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## 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	42-44%
Compressive strength	ASTM C 109-2021	Approx. 30-40 N/mm <sup>2</sup>

## APPLICATION & COMPOSITION

SR. NO	APPLICATION AREA	MIX (TRUBUILD WSL 334 : WATER : CEMENT) BY VOLUME	METHOD OF APPLICATION
1	As bond coat	1:4:7	Apply a single coat of the mixed quantity of Trubuild WSL 334. When the coat is tacky, apply the plaster or concrete according to the situation. Always add cement to the liquid (Trubuild WSL 334: water = 1 : 4)
2	As waterproof coating	1:4:7	Apply the 1 <sup>st</sup> coat using brush. Apply the 2 <sup>nd</sup> coat after 1 <sup>st</sup> coat is dried approximately for 4-6 hrs. Overlay the 2 <sup>nd</sup> coat with screed/plaster for protection and finish. Coverage- 80-90 sqft/kg/2 coats.
3	Rebars coating	1:4:7	Rusted rebars must be thoroughly scraped by mechanical means if required. Apply a single coat of prepared mix over the rebars using a brush. Apply concrete/mortar when the coat is tacky.
4	Renders, patching & crack repair mortar	5 kg Trubuild WSL 334 + 15 L water + 50 kg cement + 150 kg sand	Mix 5 kg of Trubuild WSL 334 with pre-measured water for 50 kg of cement. Use this mix to add to the recommended dry mortar mix. Mortar mix may be as mixed as 1:3 (cement: sand). Keep water-cement ratio in the mortar as low as 0.4 but not more than 0.45. Clean the cracked area properly to remove all loose materials. Wet the crack completely using a bottle spray. Apply a single coat as a bond coat prior to the crack-filling of Trubuild WSL 334 as per the mixing proportions mentioned earlier. Fill the crack with the above prepared mortar. Compact it into the crack fully and level for finishing using a trowel.
5	As waterproof plaster	50 kg OPC cement, 150 kg sand, 1 kg Trubuild WSL 334, 20 L water	Mix 1 kg Trubuild WSL 334 with pre-measured water for 50 kg of cement. Use this mix to add to the recommended dry plaster mix. Plaster mixes may be as rich as 1:3 (cement: sand). Keep water-cement ratio in plaster as low as 0.4 but not more than 0.45. For better application, apply a bond coat with Trubuild WSL 334 as suggested earlier. 2 <sup>nd</sup> and final layer of plaster must not be mixed with Trubuild WSL 334. Add Trubuild CPS 111 instead. Scratch-key the surface of the 1 <sup>st</sup> coat for effective bond with the 2 <sup>nd</sup> coat.

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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.
- For additional information please refer to the MSDS

### STORAGE

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

### RESTRICTIONS ON USE

- Not recommended for use in very critical concrete repairs
- Strictly do not dilute beyond recommendation
- To be applied over damp substrate but surface should be touch dry
- Waterproof coats must be protected with screeds/plaster

### SHELF LIFE

24 months from the date of manufacturing

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