

TRUBUILD WALLTECT BASECOAT

Exterior Wall Waterproofing & Protective Coating



TECHNICAL DATA SHEET

VER NO.1.1

TRUBUILD WALLTECT BASECOAT is a single-component, high-performance, acrylic-based waterproof coating composed of high-quality emulsion polymer with properly selected graded fine fillers and additives. It is used as a waterproofing & protective coating for exterior walls of the buildings.

ADVANTAGES



VAPOUR
PERMEABILITY



EXCELLENT
ELONGATION
(≥150%)



EXCELLENT
WATERPROOFING



ECO-FRIENDLY

- Excellent waterproofing system
- Excellent bond strength with base surface
- Water based, hence eco-friendly
- Provides durable coating
- Excellent elongation



AREAS OF APPLICATION



APPLICATIONS

- Masonry walls
- Exterior RCC
- Plastered surface

AVAILABLE PACKING



HOW TO USE

SURFACE PREPARATION

- For old structure, remove the loose unsound materials, oil, dirt, debris, existing paint, waterproof coatings or any type of other surface contaminations from the substrates.
- Treat all areas affected by algae, moss or fungi growth with biocide wash solution. This is accomplished by using pressure cleaning equipment with a minimum capability of 100-140 bar water pressure.
- For new construction remove all loose unsound materials, grease, oils, etc completely with the help of emery paper or pressurised water blasting.
- Fill all the existing cracks up to 5 mm by making "V" groove and then filling it with Trubuild Crack Filler Paste (CFP 425). For cracks larger than 5mm use polymer modified mortar with Trubuild WPL 333/ Trubuild BWP 222.

APPLICATION

- Apply Trubuild Primesure Primer on the substrate. During application of the primer, ensure that the surface should be in saturated dry conditions (SSD).

- For filling the pores on the surface and providing good bonding to subsequent upcoming waterproofing layer, use Trubuild Primesure Primer in 2:1 (50% dilution with water) chemical to water ratio by weight, mix it well till we get homogeneous mixture using low RPM paddle mixture.
- Before applying primer, use air blower (don't use hot air blower) to remove the dust present on surface, if any. The coverage of primer coat will be approx. 8-10 sqmt per. L per coat, depending upon the substrate conditions and apply all over the wall.
- After drying of primer coat for around 6-8 hours, apply one coat of Trubuild Walltect Basecoat horizontally without any dilution with coverage of 45-50 sqft per L.
- Allow the coat to dry for min. 6-8 hours.
- After the base coat dries, apply 1 to 2 coats of Trubuild Walltect Topcoat or any water based exterior acrylic decorative paint.

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Repainting-

- For repainting work, the performance of Trubuild Walltech Basecoat will depend upon the condition of the existing surface paint. If the existing paint film is flaking or has a weak bonding with the substrate then the subsequent coat of Trubuild Walltech Basecoat will face the adhesion problem.
- In case of repainting, application of Trubuild Primesure Primer is not necessary if the current surface is in a sound condition and is stable, i.e., no flaking, peeling and loose particles on the surface.
- For repainting work, apply one coat of Trubuild Walltech Basecoat coating without any dilution & maintain the spreading rate of 45-50 sq.ft per L.
- After the Basecoat dries, apply 1 to 2 coats of Trubuild Walltech Topcoat or any water based exterior acrylic decorative paint.

TECHNICAL DETAILS

PROPERTIES	STANDARD	RESULTS
Appearance	IN HOUSE	Opaque, white
Solid (%)	ASTM D1644-01	58±2
Elongation (%)	ASTM D 412-2016	≥ 150
DFT (micron)	-	≥ 120
Tensile strength (N/mm ²)	ASTM D 412-2016	≥2.1
Density (gm/cc)	-	1.32±0.02
Pull of adhesion, (MPa)	ASTM D 4541:2017	≥2
Water absorption (%)	ASTM D471:16a	<15%
Carbon dioxide diffusion, air layer thickness meter at 120 microns	DIN EN 1062-6:2002	>90
RCPT (Coulombs)	ASTM C1202:2019	<2000
Water penetration at 5 bar pressure	EN 12390-8:2019	Nil
Water vapour transmission (Gm/Sqmt./day)	ASTM D 1653:13	>160
Fungi resistance	ASTM G 21-2015	Excellent
UV resistance	ASTM D 4587-2011	Excellent

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ADDITIONAL INFORMATION

LIMITATIONS & PRECAUTIONS

- Prior to the use of Trubuild Walltect Basecoat, ensure previous coating is completely removed and cleaned.
- Ensure forced consumption of material to achieve desired result.
- Mix well after opening container using a low RPM paddle mixture to get a homogeneous mix.
- Avoid application in intermittent rain or on surface with standing/runoff water.
- Apply TruBuild Topcoat after 24hrs curing of TruBuild Basecoat.
- Application of Trubuild Walltect Basecoat should be avoided in any water retaining structures.
- Avoid application of Trubuild Walltect Basecoat, if the substrate temperature is less than 10°C and greater than 35°C. RH should not exceed 75%.
- Consumption of all the materials should be done in a single go, once it is opened to avoid any contamination in it.
- Do not mix any emulsion or water to it as this will decrease the durability and performance of the coating.
- Always use brush and roller for coating applications.
- Do not keep material under direct sunlight. Always keep it in shade and close the lid for keeping it air tight to avoid skinning.
- Take out a sufficient quantity of material from the container which can be consumed within 15-30min.
- Always use air blower (don't use hot air blower) before commencement of coating to remove the dust.
- Do not use other manufacturer's primer or other material which is used for repairing and priming as it will not confront any type of performance which we are providing with our product and system.
- Do not skip any one of the steps as prescribed for the application of Trubuild Walltect Basecoat as it may decrease the performance and even lead to failure of the entire system.
- For miscellaneous surfaces, always contact Trubuild technical service team for guidance.
- Always use clean brush and roller to avoid foreign material intrusion in the coating as it may get peeled off taking waterproofing coating with it.
- Application of the Trubuild Walltect Base coat should be as per the coverage mentioned above for better bonding with substrate.
- If the surface has excess moisture then there is possibility of blister formation in case of all liquid applied membrane coatings.
- Check the existing paint and remove the cement paint if any, to be removed as best as possible.
- Coating is not recommended on putty or on synthetic enamels, bituminous/ paints.
- Substrate should be fully cured as per standard construction practice, before application of coatings.

FEATURES

- Good water resistance property
- Excellent breathability
- Excellent adhesion to the substrate
- Good crack bridging ability
- Excellent elongation
- UV resistant
- Fungal resistance
- Weather proof

HANDLING PRECAUTIONS

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please refer the Material safety Data sheet.

SAFETY

- Avoid contact with eyes and skin and in case of contact with eyes, rinse thoroughly with water and consult a doctor.
- Wear suitable protection gloves and goggles/face protection during work.
- In case the product has been swallowed, seek medical advice immediately and present the pack label.

THEORETICAL COVERAGE

- Trubuild Primesure Primer is 8-10 sqmt./L/coat
- Trubuild Walltect Basecoat is 45-50 sqft./L/ coat of to achieve the 120±10 DFT.

NOTE - Coverage will depend upon the porosity & undulation of the substrate.

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STORAGE

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

SHELF LIFE

36 months from the date of manufacturing

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