

TRUBUILD WALLTECT TOPCOAT

Elastomeric & Decorative Acrylic Waterproofing Coating for Exterior Walls



TECHNICAL DATA SHEET

VER NO. 1.1

TRUBUILD WALLTECT TOPCOAT is a high-grade acrylic-based, single-component, elastomeric, durable waterproof exterior coating which is made with selected and graded fine fillers with biocide additive for exterior walls. It has excellent flexibility, breathability, water resistance, crack-bridging, weathering durability and an excellent resistance to the growth of microorganisms.

ADVANTAGES



UV STABLE



EXCELLENT ELONGATION



TOUGH WATERPROOF MEMBRANE



FUNGAL RESISTANCE

- Excellent weather resistance
- Excellent waterproofing system
- Water based, hence eco-friendly
- Provides excellent barrier to carbonation and chlorination
- Excellent resilience to thermal stress
- Durable coating
- Maintains good aesthetic look



AREAS OF APPLICATION



APPLICATIONS

- Facades
- External walls
- Masonry walls
- Exterior RCC
- Cement sand rendering

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

- Before the application of Trubuild Walltect Topcoat, a primer coat should be applied on the substrate using Trubuild Primesure Primer.

- During application of primer, it is to be ensured that the surface should be in Saturated Dry Condition(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 and mix it well till we get a 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 the surface, if any. The coverage of primer coat will be approx. 8-10 sqmt. per L per coat, depending upon the substrate condition and apply all over the wall.
- After drying of the primer coat for around 6-8 hours, apply the 1st coat of Trubuild Walltect Topcoat horizontally without any dilution. Allow the first coat to dry for a minimum of 6-8 hours and then apply the 2nd coat vertically without dilution. The application coverage should be maintained 35-40 sqft. per L per two coats.
- Then allow the coating to air cure for min. 7- 10 days to cure fully.

TRUBUILD WALLTECH TOPCOAT

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Repainting-

- For repainting work, the performance of Trubuild Walltech Topcoat will depend upon the condition of the existing paint. If the existing paint film is flaking or has a weak bonding with the substrate, then the subsequent coat of Trubuild Walltech Topcoat will face the adhesion problem.
- In case of repainting, application of Trubuild Primesure Primer is not necessary if the current surface is in sound condition and is stable, i.e., no flaking, peeling and loose particles are there on the surface. For repainting work, apply 1st coat of Trubuild walltech Topcoat horizontally without any dilution and allow the first coat to dry for min. 6-8 hours.
- Then apply 2nd coat vertically without dilution.
- The application coverage maintained should be 35-40 sq.ft. per L per two coats. Additional coat may required for hiding a dark shade.
- Then allow coating to air cure for min. 7- 10 days to cure fully.

TECHNICAL DETAILS

PROPERTIES	STANDARD	RESULTS
Appearance	IN HOUSE	Opaque, white
Solid (%)	ASTM D 1644:01	55±2
Elongation@120 µ (%)	ASTM D 412-2016	upto 160
Crack bridging ability (mm)	EN 1062-7	>1
DFT (micron)		Approx. 120
Tensile strength (N/mm ²)	ASTM D 412-2016	≥2
Density (gm/cc)		Approx. 1.29±0.01
Pull of adhesion, (Mpa)	ASTM D 4541:2017	≥2
Water absorption (%), 24 hrs.	ASTM D 471	< 10
Carbon dioxide diffusion, air layer thickness (m)	DIN EN 1062-6:202	>80
RCPT (Coulombs)	ASTM C1202:2019	< 2000
Water penetration at 5 bar pressure	EN 12390-8:2019	Nil
Water vapour transmission, (Gm/sq.mtr/day)	ASTM D 1653	> 100
Fungi resistance	ASTM G21:2015	Excellent
UV resistance	ASTM D 4587:2011	Excellent
SRI (white base)	ASTM E 1980-19 EN 12898:2019 EN 673:2011 EN 410:2011	98

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ADDITIONAL INFORMATION

LIMITATIONS & PRECAUTION

- Prior to the use Trubuild Walltect Topcoat, ensure Basecoat & Primer is applied
- Ensure proper consumption of material to achieve all the properties
- Mix well after opening the container using low RPM paddle mixture to get a homogeneous mix
- Avoid application in intermittent rain or on surfaces with standing/runoff water.
- Application of Trubuild Walltect Topcoat should be avoided in any water retaining structures.
- Avoid application of Trubuild Walltect Topcoat, if the substrate temperature is less than 10 °C or greater than 35 °C. The RH should not exceed 75%.
- Consumption of all the material 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 as it will decrease the durability and performance of the coating.
- Always use brush and roller for coating applications.
- Do not keep the 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 you can consume within 15-30 min.
- Always use air blower (don't use hot air blower) before commencement of coating to remove the dust.
- Compatibility with other primers is not tested, hence recommend to use a Trubuild Primer.
- Do not skip the steps prescribed for the application of Trubuild Walltect Topcoat as it may decrease the performance and even lead to failure of the entire system.
- For other surfaces, always contact Trubuild technical service team for guidance.
- Always use a clean brush and roller to avoid foreign material intrusion into the coating which may get peeled off taking waterproofing coating with it.
- Application of Trubuild Walltect Topcoat should be as per the coverage above mentioned for better performance.
- Please read all the guidelines and always get in touch with our Trubuild technical sales person before starting the application to avoid system failure.
- Adhesion property may get affected over putty or very smooth surfaces.
- If the surface has excess moisture, then there is possibility of blister formation in case of liquid applied membrane coatings.
- Check the existing paint. Cement paint if any, should be removed as best as possible.
- Coating is not recommended on putty nor on synthetic enamels/ bituminous paints.
- Substrate should be fully cured as per standard construction practice before application of coatings.
- The applied Trubuild Walltect Topcoat surface should be cleaned on regular intervals of 3 months to avoid formation of fungi/algae/moss or other vegetations. During housekeeping of the Walltect Topcoat applied surface, care should be taken to make the surface dry on regular basis

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THEORETICAL COVERAGE

- Trubuild Primesure Primer is 8-10 sqmt./L/coat
- Trubuild Walltect Topcoat is 35-40 sq.ft./L/2 coats to achieve 120±10 DFT.

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

FEATURES

- Provides excellent waterproofing
- UV resistant
- Good breathability
- Can be applied on damp surfaces
- Does not require any additional protection
- Can be tinted to obtain desired color
- Excellent adhesion to the substrate
- Fungal resistance
- Excellent elongation and good crack bridging capacity
- Good SRI value
- Good anti-carbonation & chloride resistance

HANDLING PRECAUTIONS

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

STORAGE

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

SHELF LIFE

36 months from the date of manufacturing

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.

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