



TRUBUILD WALLTECT TOP COAT

TECHNICAL DATA SHEET
VER NO.15

Elastomeric & Decorative Acrylic Waterproofing Coating for Exterior Walls

TRUBUILD WALLTECT TOP COAT is high grade Acrylic base single component elastomeric durable waterproof exterior coating, which is made with selected and graded fine fillers, with biocides additive for exterior wall. It has excellent flexibility, breathability, water resistance, crack-bridging, weathering durability and an excellent resistance to the growth of microorganisms.

It complies standards / Method-ASTM D 412:2016, ASTM D 1653, ASTM D 471, EN 1062-7, EN 12390-8:2019, ASTM D4587:11, ASTM D4541:2017, ASTM E 1980-19, EN 12898:2019, EN 673:2011, EN 410:2011, DIN EN 1062-6:2002 & ASTM G21:2015.

FEATURES

- Provides excellent waterproofing.
- UV resistance.
- Good breathability.
- Can be applied on damp surface.
- Not required any additional protection.
- Can be tinted to obtained desired color.
- Excellent adhesion to the substrate.
- Fungal Resistance
- Excellent Elongation and Good crack bridging capacity.
- Good SRI value
- Good Anti-carbonation & chloride resistance

ADVANTAGES

- Excellent waterproofing system.
- Durable coating.
- Excellent resilience to thermal stress.
- Eco friendly.
- Excellent weather resistance.
- Maintain good aesthetic look.
- Provides excellent barrier to carbonation and Chlorination

APPLICATION AREAS

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

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 any areas affected by Algae, moss or fungal growth with biocide wash solution. This is accomplished by pressure cleaning equipment with a minimum capability of 100-140 bar water pressure. For new construction remove all loose unsound materials, grease, oils etc must be removed completely by help of sand papers 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 making with Trubuild WPL 333/Trubuild BWP 222.

APPLICATION

Before application of Trubuild Walltect Top coat, a primer coat with Trubuild primesure Primer on the substrate should be done. 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, 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. 8-10sqmtr

per ltr per coat, depending upon the substrate condition and apply all over the wall. After drying of Primer coat around 6-8 hours apply 1st coat of Trubuild walltect Top coat horizontally without any dilution. Allow the first coat to dry for min. 6-8 hours. then apply 2nd coat vertically without dilution The application coverage should be maintained 3.0-3.5 sq.mtr per ltr per two coats. Then allow coating to air cure for min. 7- 10 days for fully curing.

Repainting- For repainting work, the performance of Trubuild Walltech Top coat 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 on the surface. For a repainting work ,apply 1st coat of Trubuild walltect Top coat horizontally without any dilution. Allow the first coat to dry for min. 6-8 hours. then apply 2nd coat vertically without dilution the application coverage should be maintained 3.0-3.5 sq.mtr per ltr per two coats. Then allow coating to air cure for min. 7- 10 days for fully curing.

TECHNICAL DETAILS

PROPERTIES	STANDARD	RESULTS
Appearance	IN HOUSE	Opaque, white
Solid (%)	ASTM D 1644:01	55±2
Elongation@120 μ (%)	ASTM D 412-2016	≥ 160
Crack bridging ability (mm)	EN 1062-7	>1
DFT (mm)		120 μ
Tensile strength (N/mm ²)	ASTM D 412-2016	≥2
Density (gm/cc)		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 4584:2011	Excellent
SRI	ASTM E 1980-19 EN 12898:2019 EN 673:2011 EN 410:2011	98



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LIMITATION & PRECAUTIONS

- Prior to use Trubuild walltect Top coat, ensure previous waterproofing treatment is completely removed and cleaned.
- Ensure proper consumption of material to achieve all the properties.
- Mix well after opening container using low rpm paddle mixture to get homogeneous mix.
- Avoid application in intermittent of rain or on standing/runoff water at surface.
- Application of Trubuild walltect Top coat should be avoided in any water retaining structure.
- Avoid application of Trubuild walltect Top coat, if the substrate temperature is less than 10 °C and greater than 35 °C & RH should not exceed 75%.
- Consumption of all the material should done in a single go, once it is opened to avoid any contamination in it.
- Do not mix any emulsion or water to it, it will decrease the durability and performance of the coating.
- Always use brush and rollers for coating application.
- 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 the sufficient quantity of material from the container which you can consume 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 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 systems as prescribed for the application of Trubuild Walltect Top coat. It may decrease the performance and even lead to failure of entire system.
- For miscellaneous surface always contact Trubuild Technical service team for guidance.
- Always use clean brush and roller to avoid foreign material intrusion in coating and which may get peeled off taking waterproofing coating with it.
- Application of the Trubuild Walltect Top coat should be as per the Coverage above mentioned for better bonding with substrate.
- Please read all the guidelines and always try to get in touch with our Trubuild Technical sales person before starting any type of application for avoiding any waterproofing system failure.
- Adhesion property may get affected over putty and very smooth surfaces.
- 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 – cement paint if any, to be removed as best as possible.
- Coating is not recommended on putty as well as on synthetic enamels, bituminous paints.
- Substrate should be fully cured as per standard construction practice before application of coatings.



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COVERAGE

- Trubuild Primesure Primer is 8-10 sqmtr/ltr/coat
- Trubuild walltect Top coat is 3-3.5 sq.mtr /ltr/2 coats of to achieve the 120 μ ±10 DFT.

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

STORAGE

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

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.

SAFETY

- Avoid contact with eyes and skin and in case of contact with eyes rinse off 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.

SHELF LIFE

- 36 months (Storage Temp 2°C - 40°C)

PACKING

1 Ltr, 4 Ltr & 20 Ltr

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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