

TRUBUILD WPC 666

Waterproofing Compound



TECHNICAL DATA SHEET

VER NO.11

TRUBUILD WPC 666 is a single-component, acrylic-based, elastomeric, exterior protective coating to be applied over the exterior surface of walls, to prevent entry of water and moisture from the surface. It offers excellent protection from seepage, rain and atmospheric conditions. Trubuild WPC 666 can be tinted to achieve any color.

ADVANTAGES



UV STABILITY



EXCELLENT ELONGATION



MICROBIAL RESISTANCE



EXCELLENT WATERPROOFING

- Elastomeric coating with UV resistance property
- High elongation property than paints
- Forms a thick, seamless, durable coating upon drying thus offering ultimate water proofing
- Maximum 30% water can be added as a primer coat in Trubuild WPC 666 which reduces the consumption of material further and seals the pores



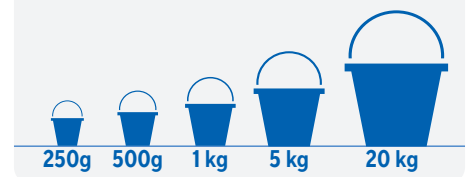
AREAS OF APPLICATION



APPLICATIONS

- Can be applied as a coating on external facades or masonry walls

AVAILABLE PACKING



HOW TO USE

SURFACE PREPARATION

- For old structures, 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 the help of sand 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 made with Trubuild WPL 333/Trubuild BWP 222.

APPLICATION

Before application of WPC 666 on the substrate, it is to be ensured that the surface should be in saturated dry condition. For filling the pores on the surface mix WPC 666 with water as specified & then apply it as a primer coat. The coverage of primer coat will be approx. 80-90 sqft. per kg depending upon the substrate condition. After drying of primer coat, apply 1st coat of WPC 666 horizontally without any dilution. Allow the first coat to dry for min. 5-6 hours. then apply 2nd coat vertically without dilution. Leave for minimum 7 days of air curing.

Repainting- For repainting work, the performance of Trubuild WPC 666 will depend upon the condition of the existing paint. If the existing paint film is flaking or has a weak bond with the substrate, then the subsequent coat of Trubuild WPC 666 will face adhesion problem.

NOTE: Please check the compatibility before applying on the substrate apart from masonry or concrete. The coating should be air cured for a min. of 7 days. In case of excess moisture in substrate, there is chance of blister formation in coating. It is always advisable to check coverage on small surface area on site, before working on larger area.

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TECHNICAL DETAILS

PROPERTIES	STANDARD	RESULTS
Physical state	Visual	Low viscous liquid
Appearance	Visual	Opaque
Colour	Visual	White
Drying time	ASTM D 1640:2014	40 min (complete curing in 7-10 days)
Solid content%	ASTM D 1644:2001	54 ± 2
DFT of system	In house	120 micron (depends upon porosity of the substrate)
Elongation %	ASTM D 412:2016	Min 250%
Adhesion to concrete (N/mm ²)	ASTM D 7234:2022	Min 1
Tensile strength (N/mm ²)	ASTM D 412:2016	>1.5
Crack bridging ability (mm)	EN 1062-7:2004	>1
Water permeability (mm)	EN-12390 Part 8	NIL
UV resistance, 1000 hrs	ASTM G 154-2023	No yellowing / disintegration observed

ADDITIONAL INFORMATION

PRECAUTIONS & LIMITATIONS

1. Prior to using Trubuild WPC 666, ensure previous coating treatment is completely removed and cleaned.
2. Ensure proper consumption of material to achieve all the properties.
3. Mix well after opening the container using low RMP surface with paddle mixture to get a homogeneous mix.
4. Avoid application in intermittent rain or on surfaces with standing/runoff water.
5. Application of Trubuild WPC 666 should be avoided in any water retaining structure.
6. Avoid application of Trubuild WPC 666, if the substrate temperature is less than 10 °C or greater than 35°C. The RH should not exceed 75%.
7. Consumption of all the materials should be done in a single go once it is opened to avoid any contamination in it.
8. Do not mix any emulsion or water to it as this will decrease the durability and performance of the coating.
9. Always use brush and roller for coating applications.
10. Do not keep the material under direct sunlight. Always keep it in shade and close the lid to keep it air tight to avoid skinning.
11. Take out sufficient quantity of the material from the container and consume it within 15-30 min.
12. Always use an air blower (don't use hot air blower) before commencement of coating to remove the dust.
13. Do not use other manufacturers primer or other materials which are used for repairing and priming as it will not confront any type of performance which we are providing with our product and system.
14. Follow the steps prescribed for the application of Trubuild WPC 666. Skipping may alter the performance and even lead to failure of entire system.
15. For miscellaneous surfaces, always contact Trubuild technical service team for guidance.
16. Always use a clean brush and roller to avoid foreign material intrusion in the coating and which may get peeled off taking the waterproofing coating with it.
17. Application of the Trubuild WPC 666 should be as per the coverage above mentioned for better bonding with substrate.
18. 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.
19. Adhesion property may get affected over putty and very smooth surfaces.
20. If the surface has excess moisture then there is possibility of blister formation in case of all liquid applied membrane coatings.
21. Check the existing paint. Remove cement paint if any, as best as possible.
22. Coating is not recommended on putty nor on synthetic enamels & bituminous paints.
23. Substrate should be fully cured as per standard construction practices before the application of coatings.
24. The applied Trubuild WPC 666 surface should be cleaned on regular interval of 3 months to avoid formation of fungi/algae/moss or other vegetations. During housekeeping of the WPC 666 applied surface, care should be taken to make the surface dry on regular basis.

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HANDLING PRECAUTIONS

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

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.

THEORETICAL COVERAGE

- Self-priming: 7.4- 8.4 sqmt. / Kg
- Undiluted coat: 3.5- 4 sqmt. / Kg/ 2 coats

NOTE : Coverage will depend upon porosity and undulation of the substrate

SHELF LIFE

18 months from the date of manufacturing

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