



Two Part Acrylic Cementitious Waterproof Coating

TRUBUILD AQUALOCK is two component acrylic-modified flexible cementitious waterproofing membrane coating particularly designed for Concrete and Masonry surface, which is supplied in ready-mix kits (two parts). When the powder part is mixed with acrylic-modified emulsion and applied. It will become flexible and seamless waterproof membrane and acts as an excellent water barrier to Concrete and Masonry Surface

APPLICATIONS

- Concealed roofs, parking decks, bathroom, toilet, kitchen, balconies and planters
- Swimming pools, water tanks and reservoirs
- Concrete foundations, basements wall and lift pits
- Any other concrete, cement or masonry surface subject to damage from moisture

ADVANTAGES

- Quick drying.
- Easily applied by brush or trowel
- Flexible
- Excellent adhesion to concrete and masonry substrates.
- Non-toxic substances
- Environmentally friendly - free Volatile Organic Compound (VOC)
- Can be applied on damp surface
- Can withstand positive hydrostatic pressure up to 5 bar and negative hydrostatic pressure up to 3 bar

SURFACE PREPARATION

- Allow new concrete and masonry substrate to fully cure prior application
- All surfaces must be free from oil, grease, wax, dirt or any other form of foreign matter, which might affect adhesion. Spalled Concrete must be sound before applied
- All the corners will be prepared by making "Coving" by using suitable polymer modified Mortar for providing continuation film of Waterproof coating
- Substrate should be reaching a "Saturated Surface Dry" (SSD) condition (damp, without standing water)

MIXING

- Using mechanical mixer, slowly add Powder part to Liquid part in a clean container until a smooth and homogenous slurry mixture is achieved
- Allow the mixed slurry to stand for 5-10 minutes for releasing air-trapped during the mixing prior to application. Mixing material must be use within recommend pot life(40-45min)

APPLICATION

- Slurry can be applied by brush or trowel. Do not dilute with water. recommended coverage rate is approximately 1.65-1.75kg/m²/2 coat (minimum two coat should be applied)
- Allow the slurry to cure for at least 4-6 hour before applying a second coat

CURING

- After application of 2nd coat, allow the system to air cure for 5 to 6 hours. This should be followed by moist curing by sprinkling /spraying of potable water for 24 hours. After moist curing, the surface should be allowed to air cure for 3 to 5 days before covering it with screed
- Trubuild Aqualock requires at least 7 days curing before filling spas, swimming pools and water tanks with water as well as mock-up or ponding test

TECHNICAL DETAILS

PROPERTIES	STANDARD	RESULTS
Mixing Ratio (By Weight)	-	1:2 (Part A Liquid : Part B Powder)
Bulk density of Powder	In house test	1.6 - 1.8
Mixed Density Of Wet Mix,gm/ml	In house test	1.7 - 1.80
Set to touch time at 25°C	In house test	45 min.
Water Absorption	In house test	< 6 %
Adhesion to concrete after 7 Days	ASTM D 4541	≥ 1 MPA
Positive Hydrostatic Pressure	EN-12390 Part-8	Pass
Tensile Strength - on casting	ASTM D 638	0.4 N/mm ²
Elongation at Break (%)	ASTM D 638	Min. 60%
Crack Bridging	-	Up to 1 mm
WFT* (2 Coats)	ISO 2808	1000 - 1200 Micron
DFT* (2 Coats)	ISO 2808	800 - 1000 Micron

TRUBUILD AQUALOCK

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TECHNICAL DATA SHEET

VER NO. 1.6



COVERAGE

1.65-1.75 kg/m²/2 coats (min 2 coats recommended).
Coverage always Depending upon type and quality of the substrate.

PRECAUTION AND LIMITATION

- TRUBUILD Aqualock is not a decorative treatment and may display signs of "blooming" after rain or in damp weather. This does not affect the performance of the coating, in any way
- Avoid application in direct sun and/or strong wind. Do not add water in any circumstances. Apply only to sound, prepared substrates and surfaces should be well dampened but free from surface water and leaks. Do not exceed maximum layer thickness
- For waterproofing or damp proofing application, always use at least 2 coats to give a total DFT between 0.8 - 1 mm. In areas of severe water penetration, three coats might be required
- Protect freshly applied material from freezing conditions, rains etc. Avoid application open to sky during intermittent rain
- Aqualock does not provide a trafficable finish. In case the roof needs to be made trafficable a screed needs to be laid on the finished system. A bonding agent can be recommended (If required) for better bonding of screed

CLEANING

Trubuild Aqualock can be removed from tools and equipment immediately after use with clean water, hardened material can be removed mechanically

STORAGE & SAFETY INSTRUCTION

- Shelf life is 12 Month from the date of manufacturing, in unopened, Store in a cool & dry
- Place in unopened condition away from direct sunlight
- Use mask, nose cover and hand gloves during application
- Clean hand with soap water after application

PACKING

3 kg, 15 kg & 90 kg pack

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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