

# TRUBUILD AQUALOCK

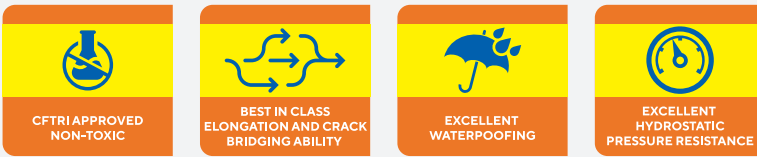
Two-Part Acrylic Cementitious  
Waterproof Coating



## TECHNICAL DATA SHEET VER NO.1.1

TRUBUILD AQUALOCK is two-component, acrylic-modified, flexible, cementitious, liquid-applied waterproofing membrane particularly designed for concrete and masonry surfaces, which is supplied in ready to mix kits (two parts). When powder part is mixed with acrylic-modified emulsion, it forms a flexible and seamless waterproof membrane and acts as an excellent water barrier to concrete and masonry surfaces.

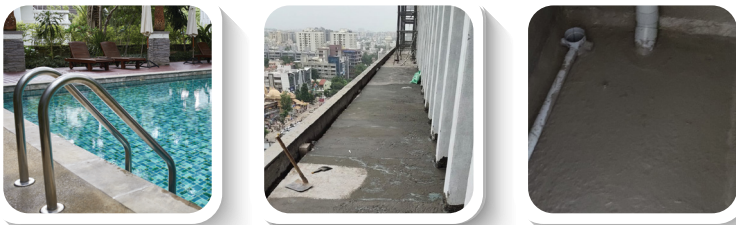
### ADVANTAGES



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

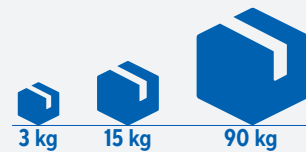


### AREAS OF APPLICATION



- Roofs, parking decks, bathrooms, toilets, kitchen, balconies and planters
- Swimming pools, water tanks and reservoirs
- Concrete foundations, basements wall and lift pits
- Any other concrete, cement or masonry surface that is subject to damage from moisture

### AVAILABLE PACKING



### HOW TO USE

#### 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 to be prepared by making "Coving" by using suitable polymer-modified mortar for providing a continuation film of the 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 used 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/m<sup>2</sup>/ 2 coat (minimum two coat should be applied).
- Allow the slurry to cure for at least 4-6 hours 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 of ponding test the mixed material must be used within recommend pot life(40-45min).

# TRUBUILD AQUALOCK

Two-Part Acrylic Cementitious  
Waterproof Coating



TECHNICAL DATA SHEET  
VER NO.11

## 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 412	up to 1 MPA
Elongation at break (%)	ASTM D 412	Min. 60%
Crack bridging	EN 1062-7	Up to 1 mm
WFT* ( 2 coats )	-	1000 - 1200 micron
DFT* ( 2 coats )	-	800 - 1000 micron

### STORAGE & SAFETY INSTRUCTION

- Store in an unopened condition away from direct sunlight.
- Use mask, nose cover and hand gloves during application.
- Clean hand with soap water after application.
- Material should be protected from moisture and kept dry.
- Store between 2-40 °C

### PRECAUTION AND LIMITATIONS

- 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 with severe water penetration, three coats might be required.
- Protect freshly applied material from freezing conditions, rains etc. Avoid application that is 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.

# TRUBUILD AQUALOCK

Two-Part Acrylic Cementitious  
Waterproof Coating



## TECHNICAL DATA SHEET VER NO. 1.1

### CLEANING

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

### COVERAGE

- 1.65-1.75 kg/m<sup>2</sup>/ 2 coats (min 2 coats recommended).  
Coverage always depending upon the type and quality of the substrate.

### SHELF LIFE

12 months from the date of manufacturing

**DISCLAIMER:** 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 Ltd, 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. Astral Ltd. reserves the right to change the properties of its products without notice. The end user of the product must test the product's suitability for the intended application and purpose. Astral Ltd will not bear any responsibilities on the product failure if it is wrongly positioned or if improper application methodology is 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 technical 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 the customer's use and for ensuring that the customer's workplace, and disposal practices are in compliance with applicable laws and other governmental enactments.



#### ASTRAL LIMITED

CIN: U24295GJ2009PLC058120

Registered Office: 207/1, 'Astral House', B/h Rajpath Club, Off S.G. Highway, Ahmedabad-380059, Gujarat, India.

P: +91 79 6621 2000 | F: +91 79 6621 2121

E-mail: [customercare@astraladhesives.com](mailto:customercare@astraladhesives.com) Website: [www.trubuild.in](http://www.trubuild.in)