

BUILDCRETE

Acrylic Polymer For Waterproofing And Repair

ASTRAL

TRUBUILD™

TECHNICAL DATA SHEET VER NO. N.1

PRODUCT DESCRIPTIONS

Trubuild Buildcrete is an acrylic polymer-based compound that forms a matrix when mixed with cement with excellent waterproofing properties. Trubuild Buildcrete enhances the properties of cement slurry/ mortar, making it an excellent choice to use it in new as well as renovation work. It is ideal for waterproofing of toilet, kitchen, bathroom, terrace, swimming pool & basement etc.



FEATURES & ADVANTAGES



EXCELLENT
BONDING



UV STABLE



REPAIR & UV STABLE
WATERPROOFING

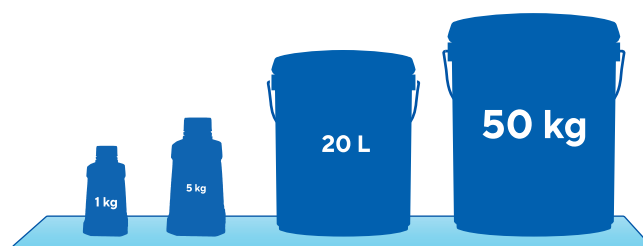
- Excellent bonding
- Good in waterproofing and repair
- UV stable

AREAS OF APPLICATION



- It is ideal for waterproofing of toilet, kitchen, bathroom, terrace, swimming pool & basement, etc.

PACKAGING



METHOD OF APPLICATION

Step-1

Surface Preparation: The surface should be cleaned by manual/ mechanical means and it should be free from dust, unsound material, loose plaster, oil, paint, grease, algae and corrosion deposits. Roughen smooth surface by scrubbing before application. Surface should be brought to Saturated Surface Dry condition before the application of waterproof coating. Use 10-15% Trubuild Buildcrete by weight of cement, in a 1:3 cement and sand mortar for repairing of cracks as per the suitability.

Step-2

Mixing: For waterproof coating make slurry of Trubuild Buildcrete and cement in 1:2 ratio, by weight. Charge cement into the Trubuild Buildcrete and mix it slowly to get homogenous mixture. For bond coat, mix Trubuild Buildcrete and cement in 1:1.5, ratio, by weight & ensure to overlay the repair mortar when the bond coat is still tacky.

Step-3

Application of coatings: Coating should be applied on a substrate in SSD conditions. Two or more coats are recommended. First coat should be allowed to air dry for 5-6 hours prior to application of subsequent coat.

Step-4

Curing: After moist curing for 24 hrs, the surface should be allowed to air cure for 3 to 5 days before laying a protective screed.

TECHNICAL PROPERTIES

S.NO.	PROPERTIES	STANDARD	RESULTS
1.	Physical state	-	Viscous liquid
2.	Appearance	-	Opaque
3.	Colour	-	Milky white
4.	Density(gm/cc)	ASTM D 1475-2013	Approx. 1.02 ± 0.02
5.	% Solid	ASTM D 1644-2001	30 ± 3
6.	pH	IS 9103-1999	>7
7.	Pull of strength(MPa)-14 days(1:2=buildcrete : cement, by wt.)	ASTM D 7234-2022	>1
8.	Compressive strength(MPa)-14 days (15% dosing by wt. of cement)	ASTM C 109-2021	Approx. 25
9.	Bond strength(MPa)-14 days(1:1=buildcrete : cement, by volume)	ASTM C 1042:1999	Approx. 4
10.	Water absorption- 24hrs.	Karsten	Nil

PRECAUTIONS

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and used. For additional information please read Material Safety Data Sheets and follow the standards.

STORAGE

Store in a dry cool place in the temperature range from 5°C to 30°C under sealed conditions. Do not allow to freeze. Keep away from direct sunlight

COVERAGE

25-30 sqft./kg/2 coat

NOTE- Coverage may vary due to undulation and porosity of the substrate

SHELF LIFE

24 months from the date of manufacturing

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