

TRUBUILD BWP-222

Binder & Waterproofer

TECHNICAL DATA SHEET

VER NO. 1.5



TRUBUILD BWP-222 (Binder & Waterproofer) is an acrylic co-polymer emulsion which is used as bonding agent for new substrate to old substrates and as cement mortar modifier which gives an excellent bond to old and new concrete. If added in concrete, it increases the tensile and flexural strength and life of concrete. If it is mix with cement to make a slurry then it can be used as waterproofing coating.

APPLICATIONS

- It is used for different concrete repair application like spalled concrete, floor, columns, beams, slab & parapet etc
- It is also used as an additive for repair mortar which gives a bonding
- It is also used for priming of re-enforced steel bars

ADVANTAGES

- Free from chloride content
- Single component product and easy to use due to its low viscosity.
- It improves the strength as well as water proofing of cement which ultimate increases durability as well as flexural strength of cement & cementitious compositions.
- It is compatible with all common cements and works as a dust proof sealer

TECHNICAL DETAILS

PROPERTIES	STANDARD	RESULTS
Physical State		Low Viscous Liquid
Appearance		Opaque
Color		White
Ph	IS:9103-1999	7-8
Specific Gravity		1.01-1.03
% Solid	IS:101 (P-8/S-6):1993	36-40%
Compressive Strength Strength At (1:3::Cement:Sand) With 10% Dosing Into It After 28 Days.	ASTM C 579	30-40 N/mm ²

HOW TO USE

Surface Preparation

- The surface should be clean and dried before application. It should be free from dust, unsound material, loose plaster, oil, paint, grease, algae and corrosion deposits

Steel Priming for reinforcement

- For priming of reinforced steel all corroded steel should be exposed fully and all loose scale and corrosion deposits will remove
- Surface should be completely soaked with water and then make a slurry of 1:1 ratio of Trubuild BWP 222 and cement, then apply one coat on exposed steel and allow it to dry
- After initial drying of first coat, second coat is to be done. The repair or top mortar application should be carried out while the slurry coating is in tacky condition. Same slurry can be used for achieving water proofing

Bonding Slurry Coat

- For Bonding slurry coat mix Trubuild BWP-222 with Cement where extra bonding is require for Bonding old to new concrete
- It acts as water proofing additive with cement to give waterproofing

Render & Mortars

- For render and patching repair mortar application quantities are to be mix (Cement: 50 kg, Sand: 150 kg, Trubuild BWP: 5-7.5 kg & Sufficient water to get required consistency)

As Curing agent

- It acts as curing agent by preventing the rapid loss of water
- In drastic drying conditions it give added curing advantages

APPLICATION & COMPOSITION

SR. NO	APPLICATION	RATIO (TRUBUILD BWP 222: CEMENT) BY VOLUME	METHODOLOGY
1	As a Bond coat	1:1.5 by weight, 30-35 kg in 50 kg cement.	For a bonding primer mix Trubuild BWP 222 : Cement in the ratio 1:1 by volume, Brush apply 1 continuous coat of the mix on the prepared concrete substrate, Ensure to overlay the repair mortar when the bond coat is still tacky
2	Repair and Rendering	5-7.5 kg Trubuild BWP 222 : 15 ltr water:50 kg cement:150 kg sand	Prepare the dry mix of cement , sand and mix Trubuild BWP 222 in water , after that discharge the dry mix in the water and emulsion mix. Then use it as per requirement.
3	Waterproofing coating	1:2 by weight, (25kg BWP 50 kg cement)	After surface preparation (cleaning, crack filling, patch repair if any and treating all type of joint using PMM) discharge cement in Trubuild BWP 222 as per ratio and mix homogeneously the apply two coats in interval of 4-6 hrs followed by screed for giving slope. Use Trubuild CPS 111 in screed or BBC.
4	Steel primer	1:1.5 by weight, 30-35 kg in 50 kg cement	Remove the corrosion by proper mechanical means , after cleaning mix cement in Trubuild BWP 222 as per ratio then apply the first coat let it dry then apply second coat followed by top mortar when the second coat is still tacky condition.

TRUBUILD BWP-222

Binder & Waterproofer

TECHNICAL DATA SHEET

VER NO. 1.5



STORAGE

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

HANDELING PRECAUTIONS

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product data sheets and the brochure "Hygienic precautions for handling plastics products"

COVERAGE

For waterproof coating 20-22 Sq.ft/kg/2 coat

SHELF LIFE

24 months

PACKING

200 gm, 500 gm, 1 kg, 5 kg, 20 kg & 50 kg

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.



ASTRAL LIMITED

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 CIN: U24295GJ2009PLC058120
E-mail: customercare@astraladhesives.com **Website:** www.astraladhesives.com



**MORE
CONVENIENCE**



**FASTER
FEEDBACK**



**ADDRESS TO
TECHNICAL QUERY**

Experience A Better Connect With The Company

**Exclusively for our
Channel Partners & Customers**

Visit us at:

wecare.astraladhesives.com