

TRUBUILD APC-225

Acrylic Polymer Coating



TECHNICAL DATA SHEET VER NO.11

Trubuild APC-225 (Acrylic Polymer Coating) is an acrylic, polymer-based coating which is used with cement as a coating for waterproofing and bonding application. Trubuild APC-225 is an excellent cement modifier to give waterproofing and bonding properties.

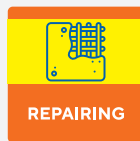
ADVANTAGES



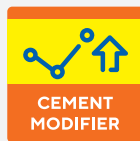
EXCELLENT
WATERPROOFING



VERSATILE



REPAIRING



CEMENT
MODIFIER

- Economical
- Excellent adhesion on various substrates
- Can be used as a waterproofing coating
- Can be used in both horizontal & vertical surfaces
- Reduces or prevents salt attack
- Can be used as a bonding agent



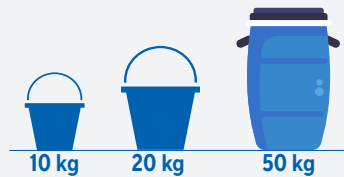
AREAS OF APPLICATION



APPLICATIONS

- Trubuild APC-225 is used as a protective coating for concrete structures like sunken portion, toilets, balcony, chajja, basement, terrace, and concrete repairs.
- It can be used for water retaining structures & general concrete repairs.
- It can be used for protection of concrete against corrosion, salt attack, etc.

AVAILABLE PACKING



HOW TO USE

SURFACE PREPARATION

- The surface should be cleaned and dried before application.
- It should be free from dust, unsound material, loose plaster, oil, paint, grease, algae and corrosion deposits.
- Fill all the cracks up to 5 mm by Trubuild CFP 425 and above 5 mm by making PMM using Trubuild WPL 333.

- After moist curing, the surface should be allowed to air cure for 3 to 5 days before covering it with screed and thereafter lay the protective screed to avoid mechanical damage.

WATERPROOFING COATING

- Make a slurry of 1:2 ratio of Trubuild APC-225 and cement by weight and apply the first coat on concrete surface. Make sure that concrete surface is in SSD conditions before application of the first coat.
- After 5 -6 hours of application of the first coat, apply second coat of Trubuild APC-225 coating.
- 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.

RENDER & MORTARS

Add 10-15% of Trubuild APC-225 by weight of cement, in a 1:3 cement and sand mortar to repair patch work as per the suitability.

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TECHNICAL DETAILS

S.N.	PROPERTIES	UNIT	RESULTS	STANDARDS
A.	Liquid sample properties			
1	Physical state	Visual	Low viscous liquid	---
2	Appearance	Visual	Opaque	---
3	pH	--	>7	ASTM E 70
4	Specific gravity	--	1.02±.02	ASTM D 1475
5	Solid content	%	30±2	ASTM D 2697
B.	Tests on mixed mortar			
1	Compressive strength (1:3 cement sand mortar with 10% dose of Trubuild APC-225)	N/mm ²	Approx. 32.6	ASTM C 109-21
2	Tensile strength (1:3 cement sand mortar with 10% dose of Trubuild APC-225)	N/mm ²	Approx. 2.68	ASTM C 307-18
C.	Tests on mixed product (Trubuild APC -225: Cement = 1 : 2)			
1	Slant shear strength	N/mm ²	11.2	ASTM C 1042-99
2	WFT - 2 coats	microns	Approx. 375	ISO 2808:2019
3	DFT- 2 coats	microns	Approx. 295	ISO 2808:2019
4	Pull off adhesion	N/mm ²	Approx. 1.65	ASTM D 7234-2021
5	Water absorption @ 15 min	ml	Nil	Karsten tube
6	Water absorption @ 30 min	ml	Nil	
7	Water absorption @ 60 min	ml	Nil	
8	Water absorption @ 4 Hrs.	ml	Nil	

Mixing proportion: 2 kg cement: 1kg Trubuild APC 225 polymer

Material	Two Coat on concrete kg/m ²
Cement	0.750
APC-225	0.375

Trubuild APC 225 Brush Topping

Material	Quantities of material in kg for one cubic meter	1 sq.m. of 1.5mm thickness
Cement	860	1.30
Trubuild APC 225	430	0.65
Fine silica sand	860	1.30
Total weight in kg	2150	3.25

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COVERAGE

- 25-30 Sqft./kg/2 coats

NOTE - Coverage will depend upon the porosity & undulation of the substrate.

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.

PRECAUTIONS AND LIMITATIONS

- Trubuild APC 225 should not be used in isolation to cement
- Trubuild APC 225 shall be applied to the substrate with temperatures between 10°C - 40°C
- Surface should be in SSD condition. Do not apply to a fully dry surface or to a surface with standing water
- Ensure to provide a protective plaster over the final coat to avoid mechanical damage
- Avoid coating during intermittent rain

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.

SHELF LIFE

24 months from the date of manufacturing

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