BCI BUILDING CHEMISTRY INDUSTRY

BC PROOF 330

Description:-

BC Proof 330 is a two component, pure aliphatic, brush able polyurea waterproofing coating for roofs, where mechanical durability and outstanding waterproofing properties are required. It forms a blister-free, non-moisture permeable film providing zero water absorption and remarkably high resistance against UV and mechanical stress.

Properties / Advantages:

- Prevents moisture penetration by providing a complete sealing.
- Offers increased resistance to bending and stretching.
- Very high mechanical strength.
- Remarkable resistance against UV.
- Excellent bonding to all building substrates such as concrete, plaster, masonry, metal, wood.
- Blister free coating. No appearance of holes in the surface during the curing of material.
- Dries and cures quickly.
- Long pot life.
- Crack bridging properties.
- Easy to apply.
- Long-lasting waterproofing protection.
- Ideal solution for waterproofing walkable roofs.
- Resistant to temperature from -35³C to +80³C.

Technical Characteristics:

Density	(ENISO2811-1:2011) 1,40-1,50 kg/l
Mixing ratio (weight proportion)	(13 A to 7 B by Weight)
Service temperature	-350C min / +800C max
Hardness Shore A (EN ISO868:2003/ASTM2240)	78
Hardness Shore D (EN ISO868:2003/ASTM2240)	30
Consumption	Approx 1 kg/m2 in 2 coats on
Cementitious substrate Absorption Coefficient (EN1062-3:2008)	0.00 kg/m2min0,5 Substrate humidity <4%
Application temperature	+50C to+350C
Elongation (ASTMD412)	470%
Tensile strength at break(23oC)	10.1 N/mm2
Adhesion to concrete (ASTMD4541)	>3N/mm2

Pot Life:

Temperature	Time
5oC	140minutes
23oC	100minutes
35oC	60minutes

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Tack Free:

Temperature	Time
5oC	10hours
23oC	5hours
35oC	3hours

Recoat / Walkability:

Temperature	Time
5oC	24hours
23oC	18 hours
35oC	12 hours

Surface Preparation:

The surfaces should be smooth and continuous (i.e., without holes, cracks, bays, etc.).In the opposite case, they should be treated accordingly (e.g., with puttying).Moreover, they should be clean, dry and free from dust, oils, greases and loose material. Prior to the application, for the filling of the pores, the enhancement of the adhesion and the higher coverage of the material, it is suggested to apply AGUA ® Primer, diluted with water (10-15% by weight). The substrate temperature must be higher than +12°C. In the case of

Metal Roof:

treatment, the use of a mesh is required on the corroded sheets.

Application:

Mix the two parts adding Part B to Part A under stirring (400rpm) for 2-3 minutes. ***BC Proof 330*** is applied after good stirring with brush, roller, or airless spray, 24 hours after the priming withBCI PRIMER 349. ***BC Proof 330*** is applied in two layers without dilution.

Notes:

- **BC Proof 330** should not be applied under wet conditions, or if wet conditions are expected to prevailduring the curing period of the product.
- **Application conditions:** Surface moisture :<4%, Relative atmosphere moisture:<85%. The applicationshould take place under temperature between +5°C and+35°C.

Color:

White

Packaging:

Sets of 20kg in tin cans (components A& B have fixed weight proportion)

Tools Cleaning:

Use solvent cleaning agent immediately after application.

Stain Removal:

Use solvent cleaning agent when the stains are still fresh & damp. In case of hardened stains, use mechanical means.

Storage Stability:

Part A: 2 years (5-45°C) in sealed tin cans.
Part B:1 year (5-35°C) in sealed tin cans.

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