

Brushbond Roofguard

High build fibre Reinforced Acrylic Elastomeric Waterproofing coating for Roofing

Uses

Brushbond Roofguard is high build fibre reinforced seamless waterproofing coating suitable for waterproofing of old & new roofs. It is a polymer based product applied in multiple coats.

The product can be applied directly on existing concrete, brickbat coba, and screed concrete even without removal provided the substrates are sound enough for application of the coating avoiding the risk of damage to the old roof associated while removing of the existing overlays. The product provides a seamless, tough durable water resistant coating which can withstand light pedestrian traffic and also has excellent weather resistance for exterior applications.

Advantages

- High Build system provides higher dry film thickness of more than 0.8mm.
- The product can applied directly on existing sound concrete, brickbat coba, screed concrete even without removal
- No protection screed required eliminating the additional weight due to protection layer
- Excellent barrier to carbon dioxide, chloride and sulphate ions.
- Allows water vapour to escape from the structure.
- High resistance to the effect of long-term weathering,
- Durable in all climate conditions including UV attack.
- Excellent bond to concrete and masonry.
- Good crack accommodation capacity.
- Minimum surface preparation needed and low labour.

Standards compliance

Tested to ASTM D4541, ASTM D412, ASTM G154, ASTM E96

Description

Brushbond Roofguard is a single component acrylic polymer modified, elastomeric fibre reinforced high build & easy roller applied / brushable coating available in different colours for application in multiple layers.

Technical Support

Fosroc offers technical support service to specifiers, end-users and contractors, as well as on-site technical assistance in locations all over the country.

Properties

Density	1.50 ± 0.10 g/cc
Solid %	70 ± 3
Tensile Strength ASTM D412	>2.5 Mpa
Elongation ASTM D412	>75%
Resistance to ageing due to UV radiation ASTM D4587E	1000h no change
Rapid Chloride Penetration ASTM C 1202-03	Very low
Pull off Adhesion-ASTM D4541	>1 Mpa
Resistance to Algae growth ASTM D5589-97	Passes, Zero rating
Permeability (mm) (BSEN 12390 part 8)	5
Water vapour transmission (ASTM E96)	6.0 g/m ² h

Note: The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary, dependent on actual site conditions.

Application Instructions

Surface Preparation

All the surfaces which are to receive Brushbond Roofguard must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with Fosroc Renderoc System.

Priming

It is recommended that new cementitious and concrete substrates has to be primed with Nitoproof WB primer.

Nitoproof WB Primer is a two component product and must be mixed & applied in order to perform as specified. Transfer base and the hardener to a suitable fresh container and mix thoroughly with a slow speed mixer for 2 -3 minutes which makes the mix as a milky white paste . Add double the quantity of clean water by volume (4ltr water to 2ltr pack size, 12 liter water to 6ltr pack size) to the mix gradually under mixing which makes the mix as low viscous milky white liquid. Apply using a roller or brush. Do not apply on running

Mixing

The contents of Brushbond Roofguard shall be thoroughly stirred for at least 2 minutes using a slow speed (300-400 RPM) drill machine attached with a mixing paddle. Retempering with water should not be done. Keep on stirring during application.

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Application

For best results, surfaces should be damp. In order to obtain the protective properties of Brushbond Roofguard it is important that the correct rates of application are observed. Use a short stiff brush preferably 120-150mm width and apply the mixed material like paint.

The application of Brushbond Roofguard should not be done if the temperature of the substrate is below 10°C. Apply Brushbond Roofguard in multiple coats to achieve total dry film thickness of 0.8mm. The second & third coat of Brushbond Roofguard shall be applied as soon as the first coat has reached touch dry state. If planning for protection screed allow the Brushbond Roofguard coating to dry before covering with screed, sprinkle coarse sand on wet surface of final coating for better adhesion of screed.

Cleaning

Brushbond Roofguard should be removed from tools and equipment with clean water immediately after use. Hardened material can only be removed mechanically.

Estimating

Brushbond Roofguard : 4 & 20 litre

Nitoproof WB Primer : 2 & 6 litre

Coverage

Brushbond Roofguard : 0.4 liter / m² / coat (Three coat application is recommended).

Overcoating time : 8 - 12 hours at 27°C

Nitoproof WB Primer : 8 - 10 m²/litre (after dilution)

Precautions & Limitations

Do not apply during rains; substrate must be in SSD condition for application of primer. The product is designed only for foot traffic and not vehicular movement or movement of machinery or equipment's.

Shelf life & Storage

Shelf life is 12 months from the date of manufacturing in un-opened condition. Store in a cool & dry place.

Health and Safety

Brushbond Roofguard system is non-toxic but alkaline in nature. Gloves and goggles should be worn while handling. Any splashes on the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought. Brushbond Roofguard system is non-flammable.



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