



Brushbond Roofguard

High build fibre Reinforced Acrylic Elastomeric Waterproofing render for roofing

Uses

Brushbond Roofguard is high build fibre reinforced seamless waterproofing render suitable for waterproofing of old & new roofs, it is a polymer base product applied in three OR more coats & each coat with different colours for monitoring correct thickness.

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 1mm in three coats.
- 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, minimum 3 layer application is recommended for best performance.

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

Solid Content	: 70 ±3 %
Tensile strength ASTM D 412	: 1.10 Mpa
Elongation ASTM D12	: 100%
Resistance to ageing due to UV radiation ASTM D4587 E	: 1000 hours : No Change
Rapid Chloride Penetration ASTM C 1202-03	: Very low
Pull off adhesion ASTM D4541	: 0.92 Mpa
Resistance to Algae growth ASTM D 5589-97	: Passes, Zero rating
Permeability (mm) (BSEN 12390 part 8)	: 5.0
Water vapour transmission (ASTM E96)	: 6.0g/m ² h

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 water based acrylic primer Nitoprime AW. The application of primer enhances bonding and coverage of Brushbond Roofguard.

Dilute Nitoprime AW with water in the ratio of 2:1 and stir well until a uniform consistency is achieved. Apply a single coat of diluted Nitoprime AW over the clean substrate at a coverage of 8 to 10 sqmeter / litre (after dilution). Allow the primer to dry for 2 to 3 hours @ 27 deg. C before commencing application of Brushbond Roofguard.

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.

Brushbond Roofguard

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 3 coats to achieve total dry film thickness of 1mm. 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

Packing : 4 & 20 litre

Nitoprime AW : 1, 4 & 20 litre

Coverage

Brushbond Roofguard : 0.5 liter / m² / coat (Three coat application is recommended).

Overcoating time : 8 - 12 hours at 27°C

Nitoprime AW : 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 unopened 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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