

High build fibre Reinforced Acrylic Waterproofing render for roofing

Uses

Brushbond Roof Guard 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 D2240, ASTM D4541, ASTM D412, ASTM G 154, ASTM E 96

Description

Brushbond Roof Guard is a single component acrylic polymer modified, 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.

Physical Properties

Solid Content : 70 %

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/m² h

Application Instructions

Surface Preparation

All the surfaces which are to receive Brushbond Roof Guard 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.

Mixing

The contents of Brushbond Roof Guard 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.

Application

For best results, surfaces should be damp. In order to Obtain the protective properties of Brushbond Roof Guard 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 Roof Guard should not be done if the temperature of the substrate is below 10°C. When applying Brushbond Roof Guard on hot substrates i.e., over 30°C surface temperature, saturate the surface with water. Apply Brushbond Roof Guard primer (one litre of Brushbond Roof Guard mixed with 1 litre of water) followed by application of Brushbond Roof Guard in 3 coats to achieve total dry film thickness of 1mm . The second & third coat of Brushbond Roof Guard shall be applied as soon as the first coat has reached touch dry state. If planning for protection screed allow the Brushbond Roof Guard coating to dry before covering with screed, sprinkle coarse sand on wet surface of final coating for better adhesion of screed.

Brushbond Roof Guard

Cleaning

Brushbond Roof Guard 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

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

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 Roof Guard 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 Roof Guard system is non-flammable.



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