

Roof Bond

Single Component Waterproofing Membrane

Description

The Roof Bond coating is a water-based compound composed of specialty polymers. Roof Bond is a white pigmented compound, designed to be used as a liquid-applied waterproofing membrane for outdoor applications, especially on building roofs. Dried film exhibit a low water absorbency and superior water repellency, as well as excellent weather resistance for exterior applications.

Standard Compliance

Complies with standards ASTM D 412, ASTM D 4541, ASTM E 96, ASTM D 2369, ASTM G 154, ASTM D 2939.

Where to Use

1.) Terrace, roofs & walls 2.) Old & new concrete surfaces 3.) For all external applications.

Advantages

- Terrace, roofs & walls.
- Old & new concrete surfaces.
- For all external applications.

Product Data

Appearance	Milky, white emulsion
Application temperature range	from 5°C to 40°C
Total solids % ASTM D 2369	62.0 – 64.0 %
Viscosity @30°C (Brookfield RVF 4/20)	~12000 – 18000 cps
pH	7.5 ± 0.5
Density	1.2 g/cc
Sieve analysis	No bits at 1000 µm
Film surface	Non tacky and water repellent
Emulsifying system	Anionic - nonionic

Technical Data

Elongation at break @1 mm thickness ASTM D 412	410 - 450 %
Tensile strength ASTM D 412	~3.5 MPa
Modulus 100% elongation ASTM D 412	~2.2 MPa
Pull of adhesion ASTM D 4541	~1.5 MPa
UV resistance ASTM G 154	No visible cracking, peeling or degradation after 1000 hours
Water vapor transmission ASTM E 96	~6g/m ² /24 hrs.
Hydrostatic pressure resistance DIN EN 12390 - 8	Resists ≥ 5 bar pressure
Ponding water test ASTM D 2939	No water absorption after 72 hours

Application Instructions

Surface Preparation

The substrate must be dry, hard, sound, free of dust and the barrier materials such as paint, lime coatings, plaster, curing agents, wax, polish, laitance, etc. Use a suitable degreaser to remove polish, wax, grease, oil and similar contaminating substances.

Application

1. The product can be brushed or roller applied on surfaces that are cleaned well.
2. A high-pressure water jet cleaning is recommended before applying Roof Bond. It should not be used directly on a highly water-soaked surface; allow the surface to dry gently prior to the application.

Roof Bond

3. Recommended to apply initial coating (first layer) diluted with 50 % water after proper mixing or can use SL Primer compound first. It is advised to apply a minimum dry thickness of 0.4 – 0.5 mm in two to three coats with a total coverage of approx. 0.7 kg compound per m² per two coats. The second coat is applied only when the first coat is touch dry: this is usually possible in 1 to 2 hours after applying the first coat.
4. The compound dries fast and results in a white membrane with high strength and flexibility. It can also be used as a paint coating for the exterior wall where we need excellent water barrier and water repellent properties. It is good to use this compound in sandwich applications with suitable glass fibre mesh preferably having 45 GSM for getting better durability.

Important Considerations for SWADI Roof Bond Application

- Apply only on concrete surfaces cured for at least 28 days.
- Do not apply if the temperature is above 40°C or below 5°C.
- Ensure the surface is dry and clean before application.
- Avoid application if rain is expected within 24 hours.

Coverage

0.7 kg/m² per two coats with thickness of 0.4 to 0.5 mm. 20 kg bucket will cover 290 - 310 Sqfts per two coats with thickness of 0.4 to 0.5 mm.

Colours Available

White, light grey & terra cota.

Cleaning

Tools and equipment should be washed with water immediately after use.

Shelf Life

6months – In original closed packaging.

Packaging

Swadi Roof Bond available in 20 kg bucket.

Precautions/Disposal/Spillage

For further information please refer to the Material Safety Data Sheet.

Condition of Sale

Sold subject to the company's conditions of sale which are available on request.

Storage and Handling Guidelines

The product should be stored in accordance with national regulations. It is essential to keep it in a cool, well-ventilated area, away from heat, direct sunlight, sparks, and children. Please note that the product contains flammable solvents, so handle it with care. To ensure proper curing, mix the resin and hardener according to the specified ratio. Once mixed, use the solution within its pot life to avoid premature hardening.

Health, and Safety Information

SWADI Roof Bond is considered on-hazardous in normal usage; however, avoid contact with eyes or skin. Wear suitable protective dust mask, gloves and safety glasses. In case of contact with eyes, rinse for several minutes under running water.

For further information, please consult the Material Safety Data Sheet (MSDS).

Disclaimer

The information provided in this datasheet is based on our extensive experience and is given in good faith to assist you. However, we reserve the right to update this information at any time without prior notice due to our ongoing research and development efforts. While we guarantee the consistent quality of our products, we cannot be held responsible for any losses or damages that may arise from their use if site conditions or the execution of work are not properly managed. This data sheet becomes invalid upon the publication of a new edition, and please contact us for the latest version. Please note that we do not provide any warranties regarding the results of our products in specific applications, as the storage, handling, and application of materials are factors beyond our control.

Contact Information

For immediate orders or enquires, contact our **24/7 support team at +91 8792919513 or enquiry@swadigroup.co.in**. For additional support options and resources, please visit our website at swadigroup.co.in

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Product Data Sheet

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