

Technical Data

ROOFGUARD



Product description

Roofguard is an emulsion based, highly durable, thick, flexible waterproof coating.

Recommended use

Roofguard should be used for the protection of roofs. It fills and bridges hairline cracks and forms a seamless layer with excellent bonding properties. Roofguard is well suited to protect expanded polyurethane foam from deterioration by U. V. rays.

Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry (μm)	200	600	400
Film thickness, wet (μm)	365	1090	730
Theoretical spreading rate (m^2/l)	2.75	0.91	1.37

Physical properties

Colour	White
Solids (vol %)*	55 \pm 2
Specific Gravity	1.2 – 1.35

Surface preparation

The surface must be clean, dry and free from laitance, dust, sand and other contaminations. Local touch-up of larger blow holes or cracks should be carried out prior to the application of the first full coat of Roofguard.

Other surfaces

The coating may be used on other substrates. Please contact your local Jotun office for more information.

Condition during application

The temperature of the substrate should be min. 10°C and min. 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate. Good ventilation is necessary. The product should not be exposed to mechanical stress until fully cured. The best result and cost performance are obtained when conditions are normally good.

Application methods

Spray	Airless spray.
Brush	Recommended.
Roller	Recommended.
Other	Trowel.

Application data

Mixing ratio (volume)	Single pack.
Thinner/Cleaner	Water.
Guiding data airless spray	
Pressure at nozzle	140 - 190 kg./cm ² (2100 p.s.i.)
Nozzle tip	0.021" - 0.027"
Spray angle	65° - 80°
Filter	Check to ensure that filters are clean.
How to use	Generally 2 coats of roofguard are recommended for satisfactory Performance. However in order to achieve best results a system of Roofguard / Glassfiber / Roofguard should be used, with the glassfiber being embedded in to the first coat of roofguard while still wet. All areas where roofguard is applied should have a min. crossfall of 1: 75 to prevent ponding of water and to improve surface drainage.

Drying time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

- * Good ventilation (Outdoor exposure or free circulation of air)
- * Typical film thickness
- * One coat on top of inert substrate
- * Relative humidity 70%

Substrate temperature	23°C	35°C	45°C
Surface dry	8 h	7 h	6 h
Through dry	24 h	20 h	18 h
Dry to recoat, minimum	24 h	20 h	18 h

Dry to recoat, maximum

1. Recommended data given for recoating with the same generic type of paint.
2. In case of multi-coat application, drying times will be influenced by the number and sequence and by the total thickness of previous coats applied – reference is made to the corresponding system data sheet.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

Typical paint system

Roofguard	1 x 500 µm	(Dry Film Thickness)
Glassfiber (While the first coat of Roofguard is still wet.)		
Roofguard	1 x 500 µm	(Dry Film Thickness)

Other systems may be specified, depending on area of use

How to Use.

Generally, two coats of Roofguard are recommended for a satisfactory performance. However, in order to achieve the best results, a laminated system of Roofguard/Glassfibre matting/Roofguard should be used, with the glassfibre being embedded into the first coat of Roofguard while still wet.

Storage

The product must be stored in accordance with national regulations. The product must be kept in a cool and well-ventilated place, protected from heat and direct sunlight. Containers must be kept tightly closed.

Handling

Handle with care. Stir well before use.

Packing size

18 Ltrs.

Packing may vary from country to country according to local requirements.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.

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