



Technical datasheet

Fly Roof Guard

Fly Roof Guard Elastomeric, liquid waterproofing membrane for flat roofs and protective coating

Description

Fly Roof Guard is an elastomeric, water-based, liquid waterproofing membrane for flat roofs. It has excellent bonding to various substrates, such as concrete, wood, metal, and any waterproofing membranes, and applies even to irregular substrates.

After curing, it forms a continuous, elastic, waterproof, and vapor-permeable membrane, without seams or joints,

Advantage

- High elasticity.
- High resistance to weather conditions and aging.
- High whiteness and solar reflectance.
- Improvement of building energy efficiency by decreasing the roof temperature

Certification

Certified according to EN 1504-2 and classified as a coating for surface protection of concrete.

Fields of application

Fly Roof Guard is ideal for waterproofing flat roofs, curved roofs, etc. Constitutes a simple and safe waterproofing solution for roof details, such as corners, edges, and joints between different adjacent materials, as well as for isolated cracks. Furthermore, thanks to its high solar reflectance, it can be used as cool roof paint.

Technical data

Attributes	Value
Color	White
Density	1.3 Kg/l
Elongation at break	500% ±50%
Crack bridging ability	>0.5mm
Capillary absorption	0.01 kg/m ² ·h ^{1/2}
Permeability to CO ₂	S ^d > 50 m
Water vapor permeability	S _d =0.80 m (permeable)
Adhesion	1.3 N/mm ²
Solar reflectance	90%
Minimum application temperature:	+ 5°C
Drying time at +20°C:	3 h touch dry
Recoat time at +20°C	24 h

Directions for use

1-Substrate preparation

The substrate must be dry, clean, and free of grease, loose particles, dust, etc. Any existing cavities in concrete should be filled in advance.

2-Application

a) Full-surface waterproofing

Fly Roof Guard is applied by brush or roller in two layers after the primer has dried. The second layer should be applied crosswise after the first one has dried. In areas with severe cracks, it is recommended to reinforce Fly Roof Guard with a 10 cm wide strip of fiberglass mesh (65 g/m²) or polyester fleece (30 g/m²) along the cracks. In that case, after the primer has dried, the first layer of Fly Roof Guard is applied along the cracks and, while still fresh, the 10 cm wide strip of fiberglass mesh or polyester fleece is embedded lengthwise.



Subsequently, two extra layers of Fly Roof Guard are applied over the entire surface.

Consumption:

approx. 1.25 to 1.5 kg/m², depending on the substrate.

In case there are dense, multiple cracks all over the surface, it is strongly recommended to fully reinforce the product membrane with 100 cm wide strips of fiberglass mesh (65 g/m²) or polyester fleece (30 g/m²). These placed strips must overlap by 5-10 cm. After the primer has dried, a first layer of Fly Roof Guard is applied to a width of 100 cm (as wide as the upcoming reinforcement), and, while still fresh, a strip of fiberglass mesh or polyester fleece is embedded. The same application process is followed until the remaining surface is covered.

Subsequently, two extra layers of Fly Roof Guard are applied over the entire surface. Consumption: 2.0-2.5 kg/m², depending on the substrate and type of reinforcement.

b) Local waterproofing of cracks

In this case, the primer is applied on the substrate only along the cracks to a width of 10-12 cm.

After the primer has dried, the first Fly Roof Guard layer is applied and, while still fresh, a 10 cm wide strip of fiberglass mesh (65 g/m²) or polyester fleece (30 g/m²) is embedded lengthwise.

Subsequently, two extra Fly Roof Guard layers are applied along the cracks, completely covering the reinforcement. Consumption: 200-250 g/m of crack length. Tools should be cleaned with water while Fly Roof Guard is still fresh.

Packaging

Fly Roof Guard is supplied in plastic containers of 15 kg

Shelf life – Storage

24 months from production date if stored in original, unopened packaging at temperatures between +5°C and +35°C. Protect from direct sunlight and frost