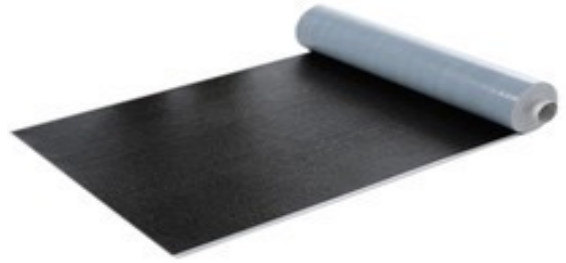


Description:

Self-adhesive preformed waterproofing membrane consisting of a special self-adhesive polymer-bitumen with a unique HDPE film that covers the material on top. Guard SA Pro is designed for waterproofing of concrete building structures and for keeping deep underground structures watertight against high hydrostatic pressures.

Guard SA Pro is a high performance preformed waterproofing membrane that is cold applied with a unique self adhesive rubberized bitumen layer, with a removable plastic film release liner. It is very easy to install and is very safe to use on site.



Advantages:

- High elongation properties that prevent damaging of materials due to substrate movements.
- Excellent physical and mechanical characteristics in all directions.
- Can be used as a radon gas barrier found in certain soil locations.
- Quick and easy installation.
- Safe to use – the membrane is applied without use of gas and flame.
- Easy to repair when required.

Uses:

- Underground Concrete Structures
- RC Flat Roof
- Landscape & Planter Boxes
- Rail & Bridges Structures
- Data Centers

Performance:

Essential characteristics	Test method	Performance	Essential characteristics	Test method	Performance
Protection of the top side	-	high-performance polymer film	Softening point, °C	ASTM D36	≥ +100
Protection of the bottom side	-	self-adhesive binder / anti-adhesion film	Flexibility at low temperature, °C	EN 1109-1	≤ -15
Length, m	EN 1848-1	≥ 20.0	Flow resistance at elevated temperature, °C	EN 1110*	≥ +85
Width, m	EN 1848-1	≥ 1.0	Visible defects	EN 1850-1	Pass
Straightness	EN 1848-1	≤ 10 mm / 5 m	External fire performance	EN 13501-5	Froof
Mass per unit area, kg/m ²	EN 1849-1	1.5±0.15	Reaction to fire	EN 13501-1	Euroclass F
Thickness, mm	EN 1849-1	1.5±0.10	Watertightness at 60 kPa	EN 1928	Pass
Type of carrier	-	carrier less	Adhesion of granules, %	EN 12039	NPD
Tensile properties: maximum tensile force L / T, N/50mm	ASTM D5147	400±100 / 300±100	Peel resistance of joints: overlap to overlap / overlap to film, N/50mm	EN 12316-1	≥ 25 / NPD
Tensile properties: elongation L / T, %	ASTM D5147	≥ 800 / ≥ 800	Water vapour transmission properties	EN 1931	μ=90000
Determination of shear resistance of joints, kN/m	EN 12317-1	≥ 2.0	Dangerous substances	Does not contain dangerous substances	

Disclaimer. The information and recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability of final function at the job site is assumed. In practice, the differences in materials, substrates and actual size conditions are such that no warranty in respect of merchantability or fitness for particular purpose, nor any liability by the Company will be accepted for misuse, misreading or derivation from recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and all risks and liability in connection therewith. The information contained in the brochure may change at any time without notice.

Installation:

1. The substrate needs to be cleaned and free of dust, debris, contaminants. Any concrete defects need to be rectified.
2. Apply and prime the substrate using Guard Pro Primer before installation of waterproofing membrane.
3. Measure and cut the material to the required lengths to ensure ease of installation.
4. Apply the material from top downward by gradual removing the protective film, unrolling the membrane and smoothing it to the surface.
5. Always start laying at the lowest point to ensure the laps of membrane follow the fall of the roof.
6. Side laps will be at 50mm and end laps at 100mm.
7. Ensure the membrane laps and to the concrete substrate is fully bonded by using hand to press or a heavy roller.
8. Protect the membrane from mechanical damage with screed or polystyrene foam.
9. Any possible puncture of membrane can be repaired by using a new piece (patch) of membrane over the damaged area.
10. Installation of self-adhesive materials should be performed within the favorable climatic conditions.
11. Please refer to Method Statement for a more detailed installation procedure.

Packing:

Roll Size = 1M x 20M

Shelf Life:

Store material under proper storage conditions and protect from weather. Rolls should be stored upright when possible.

Shelf Life = 12 months from date of production.