



**High
Elongation
Rate**



**Excellent
Adhesion
To Substrate**



**Quick &
Easy To
Install**



**Long-term
Effective
Waterproof**

TECHNICAL DATA

Properties	Test Method	Typical Value
Protection of the top side	-	High Performance Polymer Film
Protection of the bottom side	-	Self-adhesive Binder / Anti-Adhesion Film
Length	EN 1848-1	≥ 20.0M
Width	EN 1848-1	≥ 1.0M
Straightness	EN 1848-1	≤ 10mm / 5M
Mass per unit area	EN 1849-1	1.5 +/- 0.15 kg/m ²
Thickness	EN 1849-1	1.5 +/- 0.10 mm
Type of Carrier	-	Carrier Less
Tensile Properties: Max Tensile Force L/T	ASTM D5147	400 +/- 100 N/50mm 300 +/- 100 N/50mm
Tensile Properties: Elongation L/T	ASTM D5147	≥ 800% / ≥ 800%
Determination of Shear Resistance of Joints	EN 12317-1	≥ 2.0 kN/m
Softening Point	ASTM D36	≥ +100°C
Flexibility at Low Temperature	EN 1109-1	≤ -15°C
Flow Resistance at Elevated Temperature	EN 1110*	≥ +85°C
Visible Defects	EN 1850-1	Pass
External Fire Performance	EN 13501-5	Froof
Reaction to Fire	EN 13501-1	Euroclass F
Watertightness at 60kPa	EN 1928	Pass
Adhesion of Granules	EN 12039	NPD
Peel Resistance of Joints: Overlap to Overlap / Overlap to Film	EN 12316-1	≥ 25 /NPD
Water Vapour Transmission Properties	EN 1931	μ = 90,000
Dangerous Substance	-	-

VX Guardian SA 150 is a self-adhesive preformed waterproofing membrane consisting of a special self-adhesive polymer-bitumen with a unique HDPE film that covers the material on top. It is designed for waterproofing of concrete building structures and keeping deep underground structures watertight against high hydrostatic pressures.

It is easy to install and safe to use on site as it does not require gas or flame. The cold-applied membrane with a unique self-adhesive rubberised bitumen layer with a removable plastic film release liner makes installation quick and easy. It can also be used as a radon gas barrier found in certain soil locations.

AREA OF USE

For underground concrete structures, RC flat roof, landscape & planter boxes, rail & bridges structures and data centres

PREPARATION

Ensure the surface is free of any laitance, dirt, oil, wax or debris which may prevent the VX Guardian SA 150 from properly adhering to the surface.

PACKAGING

1M Width x 20M Length

SHELF LIFE & STORAGE

12 months in unopened condition. Store in a cool-dry covered place and avoid direct exposure to sunlight. Rolls should be stored upright when possible.

APPLICATION

Prime the substrate with VX Guardian BitPrime and allow to dry.

Measure and cut VX Guardian SA 150 to the required length to ensure ease of installation. Apply the material from top downward by removing the protective film gradually, unrolling the membrane and smoothing it to the surface.

Always start laying at the lowest point to ensure the laps of membrane follow the fall of roof. Side laps will be at 50mm and end laps at 100mm.

Ensure the membrane laps and to the concrete substrate is fully bonded by using hand to press or a heavy roller.

Protect the membrane from mechanical damage with screed or polystyrene foam.

Any possible puncture of membrane can be repaired by using a new piece (patch) of membrane over the damaged area.

Installation of self-adhesive materials should be preformed within the favourable climatic conditions.