



ARDEX WPM 191

Shelterbit Fibrepol SBS

3.5mm SBS Bitumen Cold Climate Membrane

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3.5mm SBS Bitumen Cold Climate Membrane

PRODUCT DESCRIPTION

Ardex WPM 191 (Shelterbit Fibrepol SBS) is a high performance Styrene-Butadiene-Styrene (SBS) rubber modified bitumen membrane, reinforced with a combined reinforcement (polyester and fibreglass).

The exceptional elongation properties of SBS combined with the strength and dimensional stability of the reinforcing, provides an excellent waterproofing membrane for new and existing constructions.

Ardex WPM 191 (Shelterbit Fibrepol SBS) is coated with either a sanded or talc top surface finish, while the bottom surface is embossed and protected by a heat sensitive polythene film. This type of finish for the lower surface has been chosen for two specific purposes.

1. To act as a temperature gauge during application. When the film melts it shows that the compound is at the correct temperature.
2. The embossing is to allow the gases to rapidly escape when heated to its correct installation temperature avoiding possible problems of bubbling and blistering.

FEATURES/BENEFITS

- Positive vapour barrier
- Excellent resistance to atmosphere agents
- High flexibility during application at sub-zero temperature with no physical strains
- High malleability
- Accommodates structural movements
- Resistant to chemical attacks
- Withstand thermal shocks
- Proven performance in colder regions
- Good elongation and flexibility

USES

Ardex WPM 191 (Shelterbit Fibrepol SBS) is used as a single layer or multi-layer membrane in horizontal or vertical applications for waterproofing balconies, terraces and flat roofs. Ardex WPM 191 (Shelterbit Fibrepol SBS) membrane is a sandwich membrane and must be protected from UV.

Ardex WPM 191 (Shelterbit Fibrepol SBS) is available in mineral finish for exposed roof areas).

INSTALLATION

The application of Ardex WPM 191 (Shelterbit Fibrepol SBS) should be carried out by an approved Applicator.

Installation shall be strictly in accordance with the manufacturers recommendations.

Acceptable substrates to which Ardex WPM 191 (Shelterbit Fibrepol SBS) is to be installed must be properly prepared prior to membrane installation.

All surfaces must be dry, clean, smooth, free of sharp edges, loose or foreign materials, oil, grease and other materials which may damage the membrane.

Prior to the application of Ardex WPM 191 (Shelterbit Fibrepol SBS) the surface may require priming with Ardex WPM 240 (Shelter Primer). Coverage of primer will depend on the porosity of the substrate.

Ardex WPM 191 (Shelterbit Fibrepol SBS) is normally fully bonded to the prepared substrate with side laps of 100mm and end laps of 150mm. Overlaps shall be sealed by torch.

Ardex WPM 191 (Shelterbit Fibrepol SBS) may be used in various combinations to produce a variety of specifications tailored to suit the individual waterproofing need.

The exact specification will depend on functional and economic requirements. Advice should be sought for suitable specification from Ardex.

SAFETY PRECAUTIONS

Ardex WPM 191 (Shelterbit Fibrepol SBS) is not classified as dangerous goods.

However during installation exercise caution when working with open flame. Examine all surfaces to which the flame has been applied for smouldering or burning conditions.

Do not use open flame on or near highly combustible materials. Follow all local fire codes.

STORAGE

All rolls of Ardex WPM 191 (Shelterbit Fibrepol SBS) should be stored in a covered area protected against sunlight and UV radiation. Rolls should be stored in a vertical position on a smooth floor so as not to damage the edges.

PACKAGING

Roll size: 1m x 10m

Roll weight: Approximately 43kg

Rolls per pallet: 23

TECHNICAL DATA

The Technical Data shown here below are the average results of the Tests, Measurements and Trials, carried out on Ardex WPM 191 (Shelterbit Fibrepol SBS) Waterproofing Membrane.

Characteristics	Standard	Units	Nom.
Length	UNI EN 1848-1	m	10
Width	UNI EN 1848-1	m	1.0
Thickness	UNI EN 1849-1	mm	3.5
Aeric Mass	UNI EN 1849-1	kg/m ²	4.3
Heat Stability	UNI EN 1110	°C	90
Cold Flexibility	UNI EN 1109	°C	-20
Tensile strength	UNI EN 12311-1		
Ultimate Longitudinal	N/5	cm	720
Ultimate Transverse	N/5	cm	420
Elongation at Break	UNI EN 12311-1		
Longitudinal		%	45
Transverse		%	45
Tear resistance	UNI EN 12310-1		
Longitudinal		N	160
Transverse		N	170
Reinforcement	Combined	g.s.m.	180
Surface finishes	Lower ¹	torch film	
	Top ²	torch film	

Note 1) Lower surface; the surface which is applied to the structure being waterproofed.

Note 2) Top surface; exposed to underside of covering membrane.

All tests have been carried out to UEATC, to tolerances as per European Directive.