

PRODUCT DESCRIPTION

Ardex WPM 555 (Shelterbit Phoenix Star) is an APP (Atactic Polypropylene) plastomeric type modified bitumen membrane, consisting of a specially formulated bituminous compound of distilled asphalt modified with selected high grade visco-elastic polymers and reinforced with a combined reinforcement (Polyester and Fibreglass).

Ardex WPM 555 (Shelterbit Phoenix Star) is certified in Great Britain with BBA No 99/3586/C and in Italy with Technical Agreement I.T.C. 591/03.

Ardex WPM 555 (Shelterbit Phoenix Star) is coated with a slate mineral granule topping, 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 atmospheric agents cold flexibility -15°C
- Excellent elongation
- Resistant to chemical attacks
- Withstand thermal shocks
- Heat welded laps provides homogenous joint
- Prefabricated membrane
- High puncture resistance

USES

Ardex WPM 555 (Shelterbit Phoenix Star) membrane can be used as a watertight/finishing layer.

Non-accessible flat roofing

Accessible flat roofing

Vault covering

Renovation and refurbishment

INSTALLATION

The application of Ardex WPM 555 (Shelterbit Phoenix Star) should be carried out by an approved Applicator.

Installation shall be strictly in accordance with the manufacturer's recommendations.

Acceptable substrates to which Ardex WPM 555 (Shelterbit Phoenix Star) 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.

Ardex WPM 555 (Shelterbit Phoenix Star) is normally installed in a multi-layer system incorporating Ardex Bitumen membranes or base sheets.

Ardex WPM 555 (Shelterbit Phoenix Star) is fully bonded to plain or base layer. Overlaps are always torch-bonded with a width of 10cm.

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

SAFETY PRECAUTIONS

Ardex WPM 555 (Shelterbit Phoenix Star) 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 555 (Shelterbit Phoenix Star) 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 8m

Roll weight: Approximately 44kg

Rolls per pallet: 23

TECHNICAL DATA

MEMBRANE

Characteristics	Standard	Units	Nom.
Length	UNI EN 1848-1	m	8±1%
Width	UNI EN 1848-1	m	1±1%
Thickness	UNI EN 1849-1	mm	4.1 +mineral
Aeric Mass	UNI EN 1849-1	kg/m ²	5.2
Heat Stability	UNI EN 1110	°C	130
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Heat Stability			
After 6 months at 70°C	UNI EN 1110	°C	130
Cold Flexibility	UNI EN 1109	°C	-15
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Cold Stability			
After 6 months at 70°C	UNI EN 1109	°C	0
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Dimensional Stability			
Longitudinal	UNI EN 1107-1 A	%	≤ -0.3
Transversal			≤ +0.3

