

PRODUCT DESCRIPTION

Ardex WPM 115 (Shelterbit Vented Base Sheet) is an APP (Atactic Polypropylene) plastomeric type modified bitumen membrane vented base sheet, consisting of a specially formulated bituminous compound of distilled asphalt modified with selected high grade visco-elastic polymers.

A protective heat sensitive polythene film covers both surfaces of the Base Sheet.

FEATURES/BENEFITS

- Is a specially designed perforated base-sheet for use in a multi-layer waterproofing system.
- Virtually eliminates bubbles and blisters forming underneath the waterproofing layer.
- Allows vapour permeating through the deck to diffuse underneath the waterproofing where, ideally, aerators will be installed to allow the vapour to escape to atmosphere.
- Eliminates the creation of stresses in the waterproofing layers thus greatly reducing failures in the waterproofing caused by deck movements.
- Is the ideal solution for controlled, partially attached first layer in a multi-layer system.

INSTALLATION

The application of Ardex Shelterbit should be carried out by an approved Applicator.

Concrete

After priming of substrate Ardex WPM 115 (Shelterbit Vented Base Sheet) may be loose laid or may be tacked in place to locate sheet until next layer is installed.

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

Acceptable substrates to which Ardex Shelterbit is to be installed must

be properly prepared prior to membrane installation.

Ardex Shelterbit 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 Shelterbit 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 Shelterbit 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 20m

Roll weight: Approximately 20kg

Rolls per pallet: 33

TECHNICAL DATA

The Technical Data shown here below are the average results of the Tests, Measurements and Trials, carried out on Ardex WPM 115 (Shelterbit Vented Base Sheet).

| Characteristics | Standard | Units | Nom. |
|------------------------|-----------------|--------------|-------------|
|------------------------|-----------------|--------------|-------------|

| | | | |
|------------------|---------------|--------------------|-----|
| Length | UNI EN 1848-1 | m | 20 |
| Width | UNI EN 1848-1 | m | 1.0 |
| Thickness | UNI EN 1849-1 | mm | 0.8 |
| Hole Diameter | | mm | 40 |
| Number of Holes | | per m ² | 119 |
| Heat Stability | UNI EN 1110 | °C | 110 |
| Cold Flexibility | UNI EN 1109 | °C | -5 |

Tensile strength UNI EN 12311-1

| | | | |
|-----------------------|-----|----|-----|
| Ultimate Longitudinal | N/5 | cm | 310 |
| Ultimate Transverse | N/5 | cm | 205 |

Elongation at Break UNI EN 12311-1

| | | |
|--------------|---|---|
| Longitudinal | % | 2 |
| Transverse | % | 2 |

Tear resistance UNI EN 12310-1

| | | |
|--------------|---|----|
| Longitudinal | N | 70 |
| Transverse | N | 80 |

Reinforcement Glass Fibre g.s.m. 60

Surface finishes Lower¹ torch film
Top² 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.