



ARDEX WPM 117

Shelterstick Self-adhesive Membrane

2mm SBS Fibreglass Reinforced Bituminous Membrane

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PRODUCT DESCRIPTION

ARDEX WPM 117 (Shelterstick Self-adhesive Membrane) is a self-adhesive bituminous membrane.

SPECIAL FEATURES

Innovation is the feature that distinguishes ARDEX WPM 117 (Shelterstick Self-adhesive Membrane) from traditional torch-on or fastened systems.

- Absolute waterproofing resists high hydrostatic pressure.
- Because ARDEX WPM 117 (Shelterstick Self-adhesive Membrane) is cold applied and installed without the use of naked flames, they offer a higher safety level on the job.
- Highly resistant to acids, alkalis or other pollutants.
- ARDEX WPM 117 (Shelterstick Self-adhesive Membrane) membrane self seals on contact if being installed using nails or other fasteners, or if cut accidentally.

USES

Ideal for general waterproofing, foundations, tunnels, etc. and especially when, due to the type of operation or materials, the use of torch/fire must be avoided (e.g. on isolation panels, wood paint etc.) For these applications, ARDEX WPM 117 (Shelterstick Self-adhesive Membrane) can also become self-adhesive on the upper surface, simply by heating the protection film until soft, enabling the membrane to be used as an underlay for the application of traditional torch-on membranes.

INSTALLATION

ARDEX WPM 117 (Shelterstick Self-adhesive Membrane) is cold applied without the use of torch or special tools. Provides a fast and long-lasting waterproofing on materials such as: metal, wood, zinc, aluminium, cement or clay tiles, concrete, stone, asbestos cement and a wide variety of plastic products: polyethylene, polypropylene, fibreglass, polycarbonate and some PVC types. The membranes can be installed directly on inflammable materials, on insulation panels that are not fire resistant and in environments where the use of naked flames is dangerous.

SURFACE PREPARATION

Surfaces to which the ARDEX WPM 117 is to be installed must be properly prepared prior to installation. All surfaces must be clean, dry, smooth, free of sharp edges, loose or foreign materials, oil, grease, and other materials that may damage the membrane. New concrete must have completed the minimum 28 days curing/drying period prior to the installation. New concrete less than 28 days but more than 7 days may require two coats of ARDEX WPM 300. If concrete (more than 28 days old) has no moisture on surface apply one coat of ARDEX WPM 300 at a coverage rate of not more than 3.0m²/L and allow to dry overnight although drying may be prolonged in cool/humid environments with limited airflow.

PRIMING

Prior to the application of the membrane all prepared surfaces (except polystyrene blocks) should be primed with ARDEX WPM 240 at a rate of 5–6m² per litre and allowed to dry. For priming polystyrene blocks ARDEX WPM 300 is required.

VERSATILE

ARDEX WPM 117 (Shelterstick Self-adhesive Membrane) resists elongation and mechanical stresses like no other system or waterproofing material can. ARDEX WPM 117 (Shelterstick Self-adhesive Membrane) is a self-adhesive bituminous membrane with fibreglass reinforcement for waterproofing, sound and vapour barriers, underlays, etc.

Its versatility is assured because of the softness, lightness, and flexibility. In situations where traditional torch-on or fastened systems cannot be used ARDEX WPM 117 (Shelterstick Self-adhesive Membrane) provides the best results without compromising the quality of the work done. ARDEX WPM 117 (Shelterstick Self-adhesive Membrane) is also ideal for urgent repairs, assuring long lasting results.

PACKAGING

Roll size: 1m wide x 15m x 2mm.

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TECHNICAL DATA

MEMBRANE

Characteristics	Standard	Units	Nom.	tolerances
Length	EN 1848-1	m	15,00-1%	MLV
Width	EN 1848-1	m	1,000-1%	MLV
Thickness	EN 1849-1	mm	2	±0,2
Dimensional Stability Longitudinal/ Transversal	EN 1107-1 met. A	%	± 0,3 %	MLV
Tensile Strength Longitudinal/ Transversal	EN 12311-1	N/50mm	650/550	±20%
Elongation at Break Longitudinal/ Transversal	EN 12311-1	%	35/35	-30%
Resistance to Static Loading Method A	EN 12730	kg	10	MLV
Tear Resistance (nail shank)	EN 12310-1	N	170/170	-30%
Cold Flexibility	EN 1109	°C	-25	MLV
Heat Stability	EN 1110	°C	100	MLV

DISCLAIMER

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations and only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program. Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

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