



ARDEX WPM 117

Self-Adhesive Bituminous Base Sheet

2mm SBS waterproofing membrane

Fibreglass reinforced

Resistant to acids, alkalis, and other pollutants

Self-adhesive and self-sealing

Excellent elongation resistance

Light and flexible

Suitable in areas where naked flames are not allowed

ARDEX Australia Pty Ltd

20 Powers Road
Seven Hills NSW 2147
Phone: 1300 788 780
Fax: 1300 780 102
Email: technicalservices@ardexaustralia.com
www.ardexaustralia.com

ARDEX New Zealand Ltd

15 Alfred Street
Onehunga, Auckland 1061
Phone: 0800 227 339
Fax: (03) 384 9779
Email: info@ardexnz.com
www.ardex.co.nz

ARDEX WPM 117

Self-Adhesive Bituminous Base Sheet

DESCRIPTION

ARDEX WPM 117 is a self-adhesive, fibre-reinforced SBS bituminous membrane. ARDEX WPM 117 is cold-applied and installed without the use of naked flames, and self-seals on contact if being installed using nails or other fasteners, or if cut accidentally. It is generally used as a base layer over heat-sensitive substrates as part of the ARDEX Bituminous Roofing System.

ARDEX WPM 117 resists elongation and mechanical stresses like no other system or waterproofing material can. ARDEX WPM 117 has assured versatility because of its softness, lightness and flexibility. In situations where traditional torch-on or fastened systems cannot be used, ARDEX WPM 117 provides the best results without compromising the quality of the work to be done.

USE

ARDEX WPM 117 is ideal as a base layer over heat-sensitive substrates for general waterproofing, foundations, tunnels or when the type of operation or materials requires that the use of a naked flame must be avoided. Examples of these situations are in confined spaces or on materials such as insulation panels or timber etc.

ARDEX WPM 117 is ideal for waterproofing sound and vapour barriers, underlays and urgent repairs providing longer lasting results.

SUBSTRATE PREPARATION

Substrates need to be clean, smooth, dry and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 5mm wide shall be properly filled with an acceptable fill material.

Confirm concrete structures are specifically engineered to meet the requirements of the NZBC B1/VM1, 3.0 Concrete.

Ensure concrete substrate has been allowed to cure for at least 28 days before commencing application. The relative humidity of concrete substrates must be 75% or less before membrane application to NZBC E2/AS1, 10.0 Construction moisture. Take a measurement using a hygrometer to verify concrete has sufficiently dried when necessary. This process is essential.

The above criteria do not apply if ARDEX WPM 196 is loose-laid on lean site concrete.

ARDEX do not recommend the use of curing compounds; however, when used ensure all traces of compound are gone or removed. Concrete to be finished to NZS 3114, U3 with a light trowel texture. The concrete to have all ridges and protrusions stoned flush.

Refer to the relevant ARDEX Substrate Specification document for further information.

APPLICATION

The application of ARDEX WPM 117 should be carried out by an approved ARDEX Applicator.

Note: A LBP is required to carry out Restricted Building Work. A LBP must do or supervise this work. They must work within the scope of their licence class.

The application of ARDEX WPM 117 should be carried out by an approved ARDEX Applicator.

Installation shall be undertaken in accordance with all relevant technical information related to the selected installation method, including information contained within the ARDEX specification.

Prior to the application of ARDEX WPM 117 the surface may require priming with ARDEX WPM 240 (Shelter Primer). Coverage of primer will depend on the porosity of the substrate.

ARDEX WPM 117 is fully bonded to the prepared substrate with side laps of 100mm and end laps of 150mm. Overlaps shall be sealed by torch.

ARDEX WPM 117 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.

ARDEX WPM 117 is not UV stable and must be covered by WPM 189 or protected.

COVERAGE

Roll of 1m x 15m x 2mm (15m²).

STORAGE

All rolls of ARDEX WPM 117 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.

PRECAUTIONS

Exercise caution when lifting, moving, transporting, storing or handling membrane rolls to avoid sources of punctures and possible physical damage.

For further information, please consult the latest Safety Data Sheet.

TECHNICAL CHARACTERISTICS

Property	Test Method	Typical Value
Tensile Strength Longitudinal Transversal	EN 12311-1	650 N/50mm 550 N/50mm
Elongation at Break Longitudinal Transversal	EN 12311-1	35% 35%
Resistance to Static Loading Method A	EN 12730	10 kg
Tear resistance	EN 12310-1	170 N
Cold Flexibility	EN 1109	-25°C
Heat Resistance	EN 1110	100°C

Toll Free Technical Services:
1800 224 070 (Australia)
0800 227 339 (New Zealand)

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 New Zealand & Australian Standards, 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.

© ARDEX New Zealand Ltd 2018.

All aforementioned products are the trademarks of ARDEX New Zealand Ltd, its licensors and affiliates. This data sheet was issued in November 2018 and is valid for 3 years, in some instances a newer version may be published. Always refer to www.ardex.co.nz for the latest technical data from ARDEX New Zealand Ltd.