



WPM 1000

Weldable Waterproofing Membrane

Features

Versatile rubber waterproofing membrane

Heat weld laps and seams

Easy installation

Suitable for underground tanking, roofs, decks, under-tiles, canal and pond linings

Indian Green Building Council
M E M B E R

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WPM 1000

Weldable Waterproofing Membrane

DESCRIPTION

ARDEX WPM 1000 Weldable Waterproofing Membrane is a versatile rubber membrane that can be heat welded. It is suitable for waterproofing underground tanking, rooftops, decks, undertile, canal and pond linings.

ARDEX WPM 1000 is made up of synthetic rubber with properties which resist ageing from heat, sunlight and ozone and is heat weldable. Polypropylene filaments are welded onto both sides of the membrane for better wetting by water based adhesives. It has excellent gas impermeability and toughness and remains flexible at low temperatures. Polypropylene filaments are welded onto both sides of the membrane for better wetting by water based adhesives. It has excellent gas impermeability and toughness and remains flexible at low temperatures.

Laps and corners are to be heat formed and/or welded. Tiling can be done directly on the membrane after 60 minutes with common ARDEX tiling adhesives like X77, X56 STS8/E90, Quickbond/Abalastic, 2 part Optima or ABAFLEX.

SUBSTRATE SPECIFICATION

Plywood & Timber

Substrates must be dry when ARDEX WPM 1000 is applied. The plywood and timber substructure shall have a maximum moisture content of 20% when ARDEX WPM 1000 is adhered.

NOTE: LOSP (Light Organic Solvent Preservative) treated plywood must NOT be used under ARDEX WPM 1000 in any circumstances or conditions.

New Concrete

Must be cured for a minimum of 28 days and all curing compounds removed prior to application. A reduction in cure time can be achieved by utilising the ARDEX HydrEpoxy System (consult ARDEX Technical Department for details).

Old Concrete

Must be clean from any contaminants prior to application

OTHER SUBSTRATE TYPES

Fibre cement compressed sheet, closed cell polyurethane foam, wet wall linings i.e. Gib Aqualine, VillaBoard.

INSTALLATION

Roll out ARDEX WPM 1000 and cut to the measured length. Smooth ARDEX WPM 1000 on contact to minimise air entrapment beneath the membrane.

Floor sheets of ARDEX WPM 1000 must extend up the wall at least 150mm. Make sure the ARDEX WPM 1000 is laid tightly into all corners. Wall sheets of ARDEX WPM 1000 should overlap the 150mm upstand. Weld seams and laps with the Leister Triac S Hot Air Gun. Roll with a rubber roller to ensure seams and laps are secure.

Walls, internal corners & transitions

Apply the ARDEX WPM 1000 membrane 1800mm up the walls or to a height of 150mm above the shower rose. For unenclosed showers the membrane must extend a minimum of 1500mm out from the shower rose.

ADHESIVES FOR USE WITH ARDEX WPM 1000

ARDEX WPM 09A - The standard contact brushing, spray grade and rolling solvent free adhesive for fixing to the substrate. Supplied in 20L plastic containers.

ARDEX WPM 09C - Catalyst to assist adhesion in adverse conditions.

ARDEX WA98 - Solvent Based waterproofing adhesive.

ARDEX WPM 642 - Water Based Adhesive

MATERIAL SPECIFICATIONS

ARDEX requirements for long term warranty necessitate that the ARDEX WPM 1000 meets these typical technical requirements:

TECHNICAL DATA

Gauge – 1.0 mm & 1.5mm	+0.15
Specific Gravity	1.26
Tensile Strength (MPa) Min	6.00
300% Modulus (MPa) Min	4.00
Elongation at Break (%) Min	300%
Tear Die (kN/m) Min	26.25
Hardness (° IRHD)	75 ± 5
Tensile Retained Min %	70
Elongation at Break Retained Min %	70
Water Vapour Transmission g/(day.m ²)	0.11
Ozone Resistance to ASTM D1149 - 7 days at 40°C in 50pphm ozone	No visible cracks

GAUGES

Standard 1.0mm

RESISTANCE

ARDEX WPM 1000 resists tearing, flex cracking, bubbling and abrasion. It is extremely strong, has a long life and is versatile.

DURABILITY

ARDEX WPM 1000 when fixed according to ARDEX instruction will meet the NZBC requirements of B2.3.1(b) 15 years.

PACKAGING

In rolls of nominal 1.4m width and 20m long. Each roll is packed in polythene wrapper trademarked ARDEX WPM 1000.

PROTECTION

ARDEX WPM 1000 is not suitable as a trafficable surface. ARDEX WPM 1000 is compatible with undertile heating systems. For electric undertile heating, the wire must be covered with a thin screed prior to laying the membrane.

It is the responsibility of the main building contractor to ensure all sub-trades likely to be working in the vicinity of the membrane are aware that a waterproofing membrane has been installed and all care must be taken to protect the membrane from damage. The tiler must lay tiles in accordance with best practice guidelines.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.