



ARDEX WPM 3000X

(Shelterseal 3000X Membrane)

Cold application – installed without the use of open flames

Chemical resistance – highly resistant to acids, alkalis and other pollutants

Self sealing – membrane self seals on contact maintaining watertightness

Ideal for planter boxes, below ground applications and retaining walls

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ARDEX WPM 3000X

(Shelterseal 3000X Membrane)

1.5mm SBS Self Adhesive Sheet Membrane

PRODUCT DESCRIPTION

ARDEX WPM 3000X (Shelterseal 3000X Self Adhesive Membrane) is a “peel and stick” bituminous/asphalt membrane protected by a cross laminated high-density polyethylene film.

ARDEX WPM 3000X is made from two structural components. Bitumen/asphalt compound modified with SBS and high tack resins

This special compound has been formulated to make the product easy to install. The membrane can be adjusted should it initially be placed in the wrong position, as the adhesive on the sheet achieves final adhesion only after a few minutes.

Protective film

This is hot-laminated to the bituminous/asphalt compound and gives the membrane its mechanical and physical characteristics, such as heat stability, shape, chemical resistance, etc.

FEATURES/BENEFITS

Cold Application

Installed without the use of open flames. Ideal for installation in restricted spaces.

Chemical resistance

The protective polymer film is highly resistant to acids, alkalis and other pollutants.

Flexibility and adaptability

This membrane will adapt easily to irregularly shaped surfaces, and will stretch without breaking or cracking.

Self sealing

The membrane self seals on contact maintaining its watertightness.

Constant thickness

The membrane is manufactured using high-tech machinery which constantly monitors its thickness, and ensures that the films and synthetic materials are manufactured to the highest specifications and quality control requirements.

ACCEPTABLE SUBSTRATES

- Concretes, renders and screeds
- Fibre cement sheets
- Structural or marine plywood
- Polystyrene blocks

For use over other substrates including existing membranes contact ARDEX.

TYPICAL APPLICATIONS

- Planter boxes
- Foundations
- Below-ground applications
- Retaining walls
- Balcony Decks under cement screeds or other compatible hard covering

BASIC APPLICATION INSTRUCTIONS

Surface Preparation

Surfaces to which the ARDEX WPM 3000X 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. If concrete has moisture on surface use gas torch to dry and warm before priming, apply one coat of ARDEX WPM 300 at a coverage rate of 3.0m² per L and allow to cure for at least 3 days prior to proceeding.

Priming

Prior to the application of the membrane all prepared surfaces (except polystyrene blocks) should be primed with ARDEX WPM 249 (Shelterseal Primer) at a rate of 5–6m² per litre and allowed to dry.

Application of ARDEX WPM 3000X

ARDEX WPM 3000X should always be applied from the lowest point to enable laps to shed water. All edge and end laps must be overlapped a minimum of 60mm. Internal and external corners shall be reinforced with an extra layer of membrane 300mm wide. All end laps and exposed edges should be sealed. On vertical surfaces the installation should start at the lowest point with the joints overlapping by at least 100mm, and formed so that they will shed water. All rolls of ARDEX WPM 3000X are marked with a 60mm line for overlapping.

Ensure that the membrane is properly adhered to the surface at perimeters or around penetrations.

On completion of the installation of ARDEX WPM 3000X it is recommended that a protection board be used before back filling to protect the membrane from damage.

Under no circumstances should the membrane be left exposed to UV light for long periods.

Two Layer DPC System

In critical areas a specifier may require a second layer of ARDEX WPM 3000X to be applied with laps staggered to the first layer.

ARDEX WPM 3000X should be installed by approved applicators, well trained in the application of self-adhesive membranes. Installation shall be strictly in accordance with ARDEX recommendations.

SAFETY PRECAUTIONS

ARDEX WPM 3000X is hazardous; non-dangerous goods. Wear eye/face protection. Use only in well ventilated areas. Keep rolls in well ventilated place. In case of contact with eyes, rinse with plenty of water and contact a doctor or Poisons Information Centre.

ARDEX WPM 249 is hazardous; non-dangerous goods. It is highly flammable, harmful if swallowed and irritating to the eyes and skin. Keep away from sources of ignition. No smoking. Keep container tightly closed and in a well ventilated place.

ADDITIONAL INFORMATION FOR ARDEX WPM 249 IS FOUND IN THE MATERIAL SAFETY DATA SHEET.

STORAGE

All rolls of ARDEX WPM 3000X, whether palletised or loose, should be stored in a cool 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.

ADDITIONAL INFORMATION IS LISTED IN THE MATERIAL SAFETY DATA SHEET.

PACKAGING

Roll size: 1m x 20m

Roll weight: Approx 30kg.

Other products: ARDEX WPM 249 (Shelterseal Primer)
- 5 litres and 20 litres.

Rolls per pallet: 25

TECHNICAL PERFORMANCE DATA

Properties	Typical Values	Test Method
Thickness	1.5mm	UNI 8202
Weight	1.6kg	UNI 8202
Tensile strength long	4.35N/mm	ASTM D 638
Tensile strength trans	5.69N/mm	ASTM D 638
Longitudinal elongation of membrane	435%	ASTM D 638
Transverse elongation of membrane	380%	ASTM D 638
Tearing resistance long	83.01N	8202/9
Tearing resistance trans	73.74N	8202/9
Adhesion to primed concrete	4.9N/mm	ASTM D 1000
Adhesion to steel	5.8N/mm	ASTM D 1000
Puncture resistance	246N/65mm	ASTM E 154
Vapour transmission rate	0.3g/m/24hrs	ASTM E 96
Cold flexibility	-30°C	ASTM D 146
Environmental resistance	Conform	ASTM D 543

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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