ARDEX Butyseal

Heavy Duty Butynol Membrane

Manufactured In New Zealand

Excellent resistance to atmospheric agents

Resistance to chemical attacks

High puncture resistance

Ability to be used over a wide range of substrates

Can be adhered directly to failed bitumen

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CODEMARK™

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ARDEX Butyseal

Heavy Duty Butynol Membrane

PRODUCT DESCRIPTION

ARDEX Butyseal is a roofing system designed primarily for the retrofit of existing bitumen, malthoid, concrete or tongue and groove sarking. The membrane incorporates a fibre backing which is laminated to the underside of the sheet membrane. This fleece provides an excellent means of ventilation for the membrane as well as increasing the puncture resistance of the membrane.

FEATURES/BENEFITS

ARDEX Butyseal has properties which resist ageing from heat, sunlight and ozone. It has excellent gas impermeability and toughness and remains flexible at low temperatures.

Cost effective-The fibre backing provides a protective underside barrier that allows application over a wide range of substrates, including some existing membranes and bitumen.

Extra strength, high puncture, tear and impact resistance.

Retains flexibly and is not stressed by building movements.

Butyseal is unaffected by thermal shock and UV rays.

USES

ARDEX Butyseal may be applied over various substrates such as built-up roof systems, malthoid, liquid membranes and earth formed dams.

ARDEX Butyseal can be applied to XPS using suitable adhesives. Butyseal can be applied onto Polyurethane foams, proving an instantly suitable substrate with insulation properties.

SUBSTRATES

Structural concrete, plywood, modified bitumen, malthoid, tongue and grooved or butt joined sarking and polyurethane foams. For further substrate types please consult ARDEX Technical Department.

SURFACE PREPARATION

Before applying ARDEX Butyseal the substrate should be cleared of any sharp protrusion or penetrations, clean, smooth, dry and free of any foreign materials, oil, grease and other materials that may risk the integrity of the membrane.

Refer to the relevant ARDEX substrate recommendation sheet for further information.

INSTALLATION

The application of ARDEX Butyseal 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 applicator installation documents.

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.

PRIMING

Prior to the application of ARDEX Butyseal in cases of extreme porosity the surface may require priming with ARDEX WA 98A/ ARDEX WA 98S 50/50 Blend. Coverage of primer will depend on the porosity of the substrate.

ARDEX Butyseal is normally fully bonded to the prepared substrate with side and end laps of 50mm. Overlaps shall be sealed using the ARDEX Seam Tape/Seam Primer system.

ARDEX Butyseal 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.

STORAGE

All components of the Butyseal system should be stored in a covered area until ready for use.

PACKAGING

In rolls of nominal 1.4m width and 17.86m long.

Coverage 25m^2 (approximately. 35kg per roll)

Gauges:

ARDEX Butyseal: 1.0mm

Total thickness including fleece 1.0mm or 1.5mm versions

Colour: Black

TECHNICAL DATA

The technical data shown is the average results of the Tests, Measurements and Trials carried out on ARDEX Butyseal Water-proofing Membrane.

CHARACTERISTICS	TEST METHOD	UNITS	NOMINAL VALUE
Specific Gravity	ASTM D297		1.20±0.05
Hardness IRHD	ASTM D1415	mm	65±5
Tensile Strength	ASTM D412	MPa min	8.3
Modulus at 300% elongation	ASTM D412	MPa min	4.15
Elongation at break	ASTM D412	%	300
Heat Ageing	7 days at 115ºC	ºC	Pass
Tensile Retention	ASTM D412	%min	70%
Elongation Retention	ASTM D412	%min	70%
Tear Strength	ASTM D624	kN/m	26
Ozone Resistance	ASTM D1149	7 days at 40ºC in 50 pphm ozone	No visible cracks
Water Absorption by mass by volume	ASTM D471	 % %	 1.65 0.72
Water Permeability Vapour Flow Resistance Vapour Flow Rate	ASTM E96-92	 MNs/g g/m²d	 12414 0.013