

# IZO PERM™

## PLUS

### Technical data

Colour	Standard	White
Weight	ISO 536	105
SD-Value	EN 1931	5
Vapour Permeance	ASTM E96	0.69
Surface Burning Characteristics	ASTM E96	CLASS A
Reaction to fire	EN 13501-1	E
Water resistance	EN 1928	W1
Tensile strength MD	EN 12311-1	290
Tensile strength CD	EN 12311-1	310
Elongation MD	EN 12311-1	20
Elongation CD	EN 12311-1	20
Nail tear resistance MD	EN 12310-1	290
Artificial ageing EN 1296/1297	EN 13984	PASSED
CE labelling	EN 13948	AVAILABLE
Hazardous substances		NONE



**Extremely strong and functional performance vapour control layer. Designed to be compatible with all conventional building systems and insulations.**

#### ADVENTAGES:

- Elastic and durable
- Reinforced for optimum strength
- High performance air tightness
- Optimum SD Value for most constructions
- Durable towards UV and humidity ageing

### Ordering information

Name	Dimension	Dimension	Units / pallet
<b>Izoperm Plus</b>	1.5m X 50m = 75m <sup>2</sup>	59-1/16" x 164'-1/2"	32
<b>Izoperm Plus</b>	3.0m X 50m = 150m <sup>2</sup>	9' 10-1/3" x 164'-1/2"	32
<b>Izoperm Plus</b>	0.75m X 50m = 37.5m <sup>2</sup>	29-17/32" x 164'-1/2"	32

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## APPLICATION AREAS

Partel IZOPERM Plus can be used as an inner airtight membrane and vapour control layer for externally vapour open build-ups. It can be used in roofs, walls, floors and ceilings in residential and commercial applications.

IZOPERM plus is a vapour check with an Sd value of 5 (US Perm of 0.69). This provides optimal vapour control for most constructions. IZOPERM Plus is reinforced, flexible, compatible with all insulation types and does not shrink.

## APPLICATION PROCESS

IZOPERM Plus should be installed with the printed side facing the installer in a taught manner with all creases, seams, overlaps, joints and penetrations completely sealed. It should be installed so that all overlaps are sealed by taping to the printed side, and can be installed parallel or perpendicular to the supporting structure with maximum distances between supports of 1000mm (40").

If installation is perpendicular to the supporting structures a batten is required or additional taping at 500mm strips perpendicular to overlap joints at 300mm (12") intervals. IZOPERM Plus must overlap by 100mm (4") and perpendicular battens should be installed to support the weight of insulation and to protect the product from future damage.

Staple in a triangular pattern to ensure the membrane is taught but make sure membrane is relaxed at junctions to allow for movement. Staple at 75mm (3") intervals for blown in insulation or 300mm (12") generally. Staples should be 10 mm (0.4") wide and 8 mm (0.31") long. Partel CONDUO can be used as an installation aid where staples cannot be used, Overlaps can then be sealed with VARASEAL, CONIZO, or CONEXO. Penetrations should be sealed using KABSEAL or BUTAFLEX and edge connections can be sealed with ACRABOND, ACRALINE or Partel tapes.

In cold climates blown in insulation should be installed as soon as IZOPERM Plus installation is complete and for loose fitted installation IZOPERM Plus should be fitted immediately after installation. Installation of vapour control layers in cold temperatures should make allowance for necessary heating, ventilation as adhesives and primers are water based, and adhesives will not adhere to wet surfaces. In high humidity situations >70% and cold temperatures visible water could be seen on the internal surface of IZOPERM Plus which prevents functionality.

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## GENERAL INFORMATION

Connection joints should be free from tensile strain. Acrylic base adhesive tapes are pressure activated, sufficient pressure is required to ensure a long lasting bond. A smoother physical substrate will result in optimum adhesion between tape and surface. It is the responsibility of the applicator to check the substrate for suitability, adhesion tests are recommended in non standard situations. Use Acraprime to prime all rough, porous or dusty surfaces.

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