

IZOPERM PLUS

OPTIMUM PERFORMANCE VAPOUR CONTROL LAYER



Technical Data Sheet

Description	Standard	Performance
Weight	EN 1849-2	115 g/m ²
Colour		White
SD Value	EN-1931	5 m
g value		25 MNs/g
Vapour Permeance	ASTM E96	0.69
Airtightness	phA	0.01m ³ /(m ² h)
Surface Burning Specs	ASTM E96	Class A
Reaction to Fire	EN 13501-1	E
Water Resistance	EN 1928	W1
Tensile strength MD/CD*	EN 12311-1	360 N / 320 / 50mm
Elongation MD/CD*	EN 12311-1	20% / 20%
Nail Tear Resistance MD/CD*	EN 12310-1	300 N / 320 N
Temperature resistance		-40°C to 80°C
CE labelling	EN 13984	Available

*MD = longitudinal CD = transversal

Advantages

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.

- ✓ Designed to be compatible with all conventional building systems
- ✓ Extremely strong
- ✓ Elastic and Durable
- ✓ Reinforced for optimum strength
- ✓ Optimum Sd value for most constructions
- ✓ Durable towards UV ageing
- ✓ Optimal protection against humidity, ensures drying of the building structure
- ✓ BBA pending



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Fields of Application

Partel **IZOPERM PLUS** can be used as an inner airtight membrane and vapour control layer for externally vapour open build-ups.

- Roof, wall, floor and ceiling
- Residential and commercial building
- 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 **VARA SEAL**, **CONIZO**, or **CONEXO MULTISEAL**.

Penetrations should be sealed using **KABSEAL** or **CONLEX BUTYL** 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 LIQUID** to prime all rough, porous or dusty surfaces.

"The information provided is based on current knowledge and experience. This data sheet may become invalid and we reserve the right to make changes to designs and processes as we continually improve quality. Processing instructions including full system component details should be adhered to. Visit partel.com for the most up to date information"

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