

IZO PERM PLUS



OPTIMUM PERFORMANCE VAPOUR CONTROL LAYER

Technical Data Sheet

| Description | Standard | Performance |
|-----------------------------|------------|----------------------|
| Weight | EN 1849-2 | 105 g/m ² |
| Colour | | White |
| SD Value | EN-1931 | 5 m |
| Vapour Permeance | ASTM E96 | 0.69 |
| 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 | 290 N / 310 / 50mm |
| Elongation MD/CD* | EN 12311-1 | 20% / 20% |
| Nail Tear Resistance MD/CD* | EN 12310-1 | 290 N / 246 N |
| Temperature resistance | | -40°C to 80°C |
| CE labelling | EN 13984 | Available |

*MD = longitudinal CD = transversal

Advantages

IZO PERM 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



"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"



www.partel.ie
sales@partel.ie
P: 0818 33 33 55



www.partel.co.uk
sales@partel.co.uk
P: 02037 401918



www.partel.com
sales@partel.com
P: 888 487 1012

Fields of Application

Partel **IZO PERM 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

IZO PERM 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. **IZO PERM 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 **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 **IZO PERM PLUS** installation is complete and for loose fitted installation **IZO PERM 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 **IZO PERM 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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