



## CLASS A2-S1, D0 NON-COMBUSTIBLE VAPOUR CONTROL LAYER

### Technical Data Sheet

Description	Standard	Performance
Weight	EN 1849-2	175 g/m <sup>2</sup>
Colour		Silver
Thickness	EN 1849-2	148 µm
S <sub>d</sub> Value	EN 1931	2000 m
g value		10000 MNs/g
Reaction to Fire	EN 13501-1	A2-s1, d0
Water Resistance	EN 1928	W1
Emissivity	EN 15956	≤ 0.05
	EN 12311-1,	
Tensile strength MD/CD*	mod. with EN 13859- 1:2010	800 / 800 N/50mm
Elongation MD/CD*	EN 12311-1, mod. with EN 13859-1:2010	4 / 4%
Nail Tear Resistance MD/ CD*	EN 12310-1	170 / 150 N
CE labelling	EN 13984	Available
Vapour Permeance	ASTM E96	0.00
Surface Burning	ASTM E96	CLASS A

\*MD = longitudinal CD = transversal

*"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"*

### Advantages

IZOPERM PLUS FR has been developed as a non-combustible vapor barrier, **Class A2-s1, d0** for installation on the warm side in walls and / or ceilings to prevent heat radiation and moisture transfer.

- ✓ Water vapour diffusion tight
- ✓ Maximum structural fire safety
- ✓ Lacquered aluminium surface transparent
- ✓ Reflective material with transparent lacquer (emissivity ≤ 0,05)
- ✓ Easy to install
- ✓ **Reaction to fire A2 - s1, d0**
- ✓ The material assures superior aging resistance and dimensional stability
- ✓ Improves the structural safety and longevity in all building types
- ✓ BBA pending



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### Fields of Application

Partel **IZOPERM PLUS FR** 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
- High-rise and high-risk buildings (schools, offices, commercial centres, hospitals, etc.)
- Compatible with all insulation types
- Complies with different project requirements

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