



## FIRE RESISTANT ADHESIVE TAPE FOR SEALING THE MEMBRANE OVERLAPS

### Technical Data

Properties	Performance	Standard
Carrier	Aluminium tape	
Adhesive	FR Adhesive / Alu 30µm Moisture resistant	
Thickness	160 (±10%) µm	EN 1849-2
Total grammage	215 (±5%) g/m <sup>2</sup>	EN 1849-2
Sd Value	> 1500 m	EN 1931
Reaction to fire, Tape with 100% adhesive	EN 13501-1	B
Reaction to fire, System with max. 10% tape		A2—s1,d0
Tensile force MD / CD	800/500 / N/50mm	EN12311-1
Elongation MD / CD	4% / 4%	
Tearing resistance	200 / 300 N	EN12310-1
Resistance to water penetration	W1	EN 1928
Shear resistance	300 N/50 mm	EN12317-2
Peeling resistance, after 24h	7 N/25 mm	EN12316-2
Peeling force, T shape, after 24h	8 N/25 mm	EN1895

### Advantages

Partel ECHOSEAL ALU FR fire retardant adhesive tape was designed for increased fire protection in the building structure. The tape provides optimum adhesion on all Partel aluminium based membranes.

- ✓ Non-combustible adhesive tape for maximum fire safety
- ✓ Water vapour diffusion tight
- ✓ Aluminium surface with black lacquer
- ✓ Easy to install
- ✓ Reaction to fire Euroclass B to EN 13501-1 for tape
- ✓ Reaction to fire Euroclass A2—s1,d0 to EN 13501-1 for system combining the Partel IZOPERM PLUS FR membrane with max. 10% of the ECHOSEAL ALU FR Tape
- ✓ Excellent ageing resistance
- ✓ Design life = lifetime
- ✓ Lowest VOC rating in hazardous substance test

*"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](http://partel.com) for the most up to date information"*



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## Fields of Application

Partel **ECHOSEAL ALU FR** is used to create permanent airtight seals for IZOPERM PLUS FR, EXOPERM MONO DURO 200 and ECHOFOIL membrane overlaps, window and door connections. **ECHOSEAL ALU FR** can be used internally or external because of its unique technical properties.

## Application Process

Ensure surface is clear from dust, grease, and loose material. The substrate must to be dry and free from frost. Cut the required length for connection, peel the release liner from tape and with sufficient downward pressure press tape onto substrate to activate acrylic adhesive, use Partel HELPING HAND to apply pressure evenly.

## 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.

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