

TAPE ALR

reinforced aluminium foil tape

Tape ALR is a high-performance insulation reinforced aluminium foil tape, designed for use as a joining and covering tape for Pyrotek aluminium foil faced products like Soundlag, Sorberfoam, Sorberpoly and Sorberbarrier.

The reinforcing mesh in Tape ALR provides good mechanical stability during application and once in place prevents further movement. The nature of the tape is such that it provides a rare combination of high strength, flexibility and conformability.

The pressure sensitive adhesive backing on Tape ALR which is rubber or acrylic based is formulated to give high initial tack and high holding power.

The backing is protected by a silicone coated, removable release paper which provides easy release properties and aids ease of application.

SURFACE PREPARATION

- Surfaces must be smooth, clean and free from grease, loose or flaking paint, dirt, and contaminants.
- Surfaces can be cleaned with a degreasing solvent cleaner before applying the product
- Pressure should be used when applying to any surface
- Adhesion tests are recommended for powder coated surfaces
- Ageing trials should be performed on plasticised PVC
- Ideal for sealing joints and strengthening mechanical fasteners or fixings. Not to be used as mechanical joining devices
- It is essential, that the user evaluate product suitability for a particular application.

STORAGE AND SHELF LIFE

Tape ALR needs to be stored away from direct sunlight in a clean, and dry environment with a stable temperature of between +10 to +30 °C (+50 to 86 °F) . Typically, Tape ALR will have a shelf life of 12 months from the date of purchase if stored correctly.

SPECIFICATIONS

Colour	Silver
Available	Standard width: 48 mm, 72 mm (1.9, 2.8 in)
	Standard roll length: 50 m (164 ft)
	Custom sizes available depending on MOQ



applications

- Pipe lagging
- Machinery and equipment enclosures
- Compressor and generator set enclosures
- Car, boat, truck and bus engine compartments, firewalls and bonnets
- Air-conditioning units and systems
- Hydraulic pump enclosures

features

- High-performance synthetic pressure sensitive adhesive backing
- Polyethylene fibre mesh/film composite reinforced aluminium foil
- High initial tack and grab
- Broad operating temperature range
- High-performance in heat, humidity and environmental conditions
- Resistant to dust, oils and solvents
- Reflects and insulates against heat
- Easily cut, shaped and fabricated
- Puncture and tear resistant
- Tougher than similar products
- Long service life
- Dimensionally stable



PRODUCT SPECIFICATIONS

Standard product nomenclature	Colour	Standard roll length	Standard width	Application temperature range	Operating temperature range
Tape ALR	Metallic silver facing	50 m (164 ft)	48, 72 mm (1.9, 2.8 in)	+10 to +40 °C (+50 to +104 °F)	-5 to +70 °C (+23 to +158 °F)

Dimensional tolerance: ±3%. Custom sizes available on request depending on MOQ.

MATERIAL PROPERTIES

Test Method	Property	Report No.	Results
EN 45545-2 (ISO 5658-2)	Spread of flame	0204-24-F	R1 R7 HL1, HL2, HL3
EN 45545 -2 (EN 17084 (1): 50 kW/m ²)	Gas Toxicity		
EN 45545-2 (ISO 5659-2: 50 kW/m ²)	Smoke generation (optical density)		
EN 45545-2 (ISO 5660-1: 50 kW/m ²)	Heat release rate by cone calorimeter		
PSTC -101/ ASTM D330	Adhesion Strength	Nominal value	20 N / 25mm (4.6 lbf / in)
PSTC -131/ ASTM D3759	Tensile Strength	Nominal value	90N / 25mm (20.6 lbf / in)
PSTC -131/ ASTM D3759	Elongation at Break	Nominal value	15%

For further information
and contact details,
please visit our website
pyroteknc.com

Caveats: Specifications are subject to change without notice. The data in this document is typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic, mechanical and fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights.

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