



## 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) VTR also available in 96 mm (3.8 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 - VTR	Metallic silver facing	50 m (164 ft)	48, 72, 96 mm (1.9, 2.8, 3.8 in)	-23 to +55 °C (-10 to +131 °F)	-40 to +70 °C (-40 to +158 °F)
Tape ALR - PPC			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:  $\pm 3\%$ . Custom sizes available on request depending on MOQ.

## MATERIAL PROPERTIES

Product name	Adhesive tape	Tensile strength	Adhesion strength	Elongation at break
Tape ALR - VTR	Acrylic	58 N/25 mm (13 lbf/in)	16 N/25 mm (3.6 lbf/in)	15%
Tape ALR - PPC	Rubber	100 N/25 mm (22.5 lbf/in)	20 N/25 mm (4.5 lbf/in)	