

# 50 $\mu\text{m}$ ALUMINIUM TAPE

## KEY FEATURES:

- Fire propagation **index of 2.80, Class 0** according to **BS 476 norm.**
- Classification **B s1, d0, according to the UNE 13501-1: 2018 standard**, where:
  - **B:** Fuel with a very limited contribution to fire.
  - **s1:** Low opacity of the fumes produced.
  - **d0:** Does not produce drops or particles.
- Complies with the flammability range values (certifying the product as fire retardant) to direct action of the flame into the tape according to the **ISO 11925 standard.**
- High quality adhesive, with an extra strong and durable adhesion.
- Offers very good peeling properties. High Tack.
- Good shear resistance.
- **Self-extinguishing.**
- Excellent behavior as a vapor barrier, low humidity transmission rate.
- In accordance with **REACH regulation 1907/2006.** It does not contain any of the substances subject to authorization.
- In accordance with the **RoHS directive** on the restriction of dangerous substances.



Aluminium tape recovered with an aluminium backing and high performance transparent water-based acrylic adhesive, protected by a 70 g/ m<sup>2</sup> silicone paper liner, which allows easy detachment.

The main purpose of the tape is to seal of the joints in the air ducts, having excellent properties as a barrier against humidity.

Available color: 

## PRODUCT COMPOSITION



**CARRIER**  
Aluminium

**ADHESIVE TYPE**  
Water-based acrylic

**LINER**  
Silicone paper

## TECHNICAL CHARACTERISTICS

ADHESIVE PROPERTIES	VALUES	TEST METHOD
Carrier thickness	50 $\mu\text{m}$	ASTM D-3652
Total thickness	90 $\mu\text{m}$	ASTM D-3652
Liner weight	70 g/m <sup>2</sup>	ASTM D-1000
Tensile strength	15 N/cm	ASTM D-3759
Elongation at break	$\geq 3\%$	ASTM D-3759
Adhesion to steel	$\geq 4$ N/cm	ASTM D-3330
Temperature service range	$[-20^{\circ}\text{C} \pm 120^{\circ}\text{C}]$	INTERNAL
Fire spread index	2.80, Clase 0	Norm BS 476 Part 6: Fire spread

The given values are typical values obtained in specific conditions of temperature, loads and adhesive surface determined by norm. The user must determine if the tape is suitable for their specific application by testing the product. In case help is needed, ATYT will provide you with professional customer support and recommendation, indicating which tape suits best your needs.



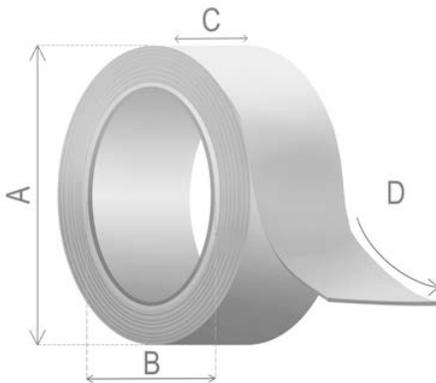
## APPLICATIONS

- Union of thermoacoustic panels.
- Joints in coatings of ventilation installations.
- Sealing of joints in the air ducts generating a great barrier against humidity.
- Sealing of boiler containers, as well as the high pressure steam pipes.
- Identification when a revision of photoelectric devices is required.
- Fixing of refrigeration panels in order to maximize cooling efficiency.
- Sealing of panels in the aeronautical and railway sector.



Surfaces to which tape is applied should be clean, dry and free of grease, oil, moisture, dirt and other contaminants. Sufficient pressure should be applied during application. If not, it will affect the properties and appearance of the product.

## STANDARD PRESENTATION:



Outer diameter (A)	95 mm	110 mm	130 mm	135 mm	
Core diameter (B)	76 mm				
Width (C)	25 mm	50 mm	62 mm	75 mm	100 mm
Length (D)	10 m	25 m	45 m	50 m	

Any other length and width available on request. Check conditions. The product can be supplied with a multitude of different types of presentation (see conditions). Among others, we highlight: the personalization of the core, the customized plastic packaging, the shrink wrapping and the labeling of the tape.



## STORAGE CONDITIONS

For better conservation of properties, product should be stored in its original packaging, between 20 and 30° C, preserved from direct exposure to sun and moisture. It is recommended to use the product within 12 months, since dispatching date.



## GENERAL WARRANTY CONDITIONS

ATyT recommends applying the product only on clean, dry and free of grease, oil or other contaminants surfaces.

Product properties are typical and should not be considered specifications. They are based on tests believed to be reliable and performed conformance with recommended test methods. Values are expected to be used for comparison purposes only; they do not represent a manufacturer guarantee. Before using, the client should determine whether the product is fit for a particular purpose and for the user's method of application.

