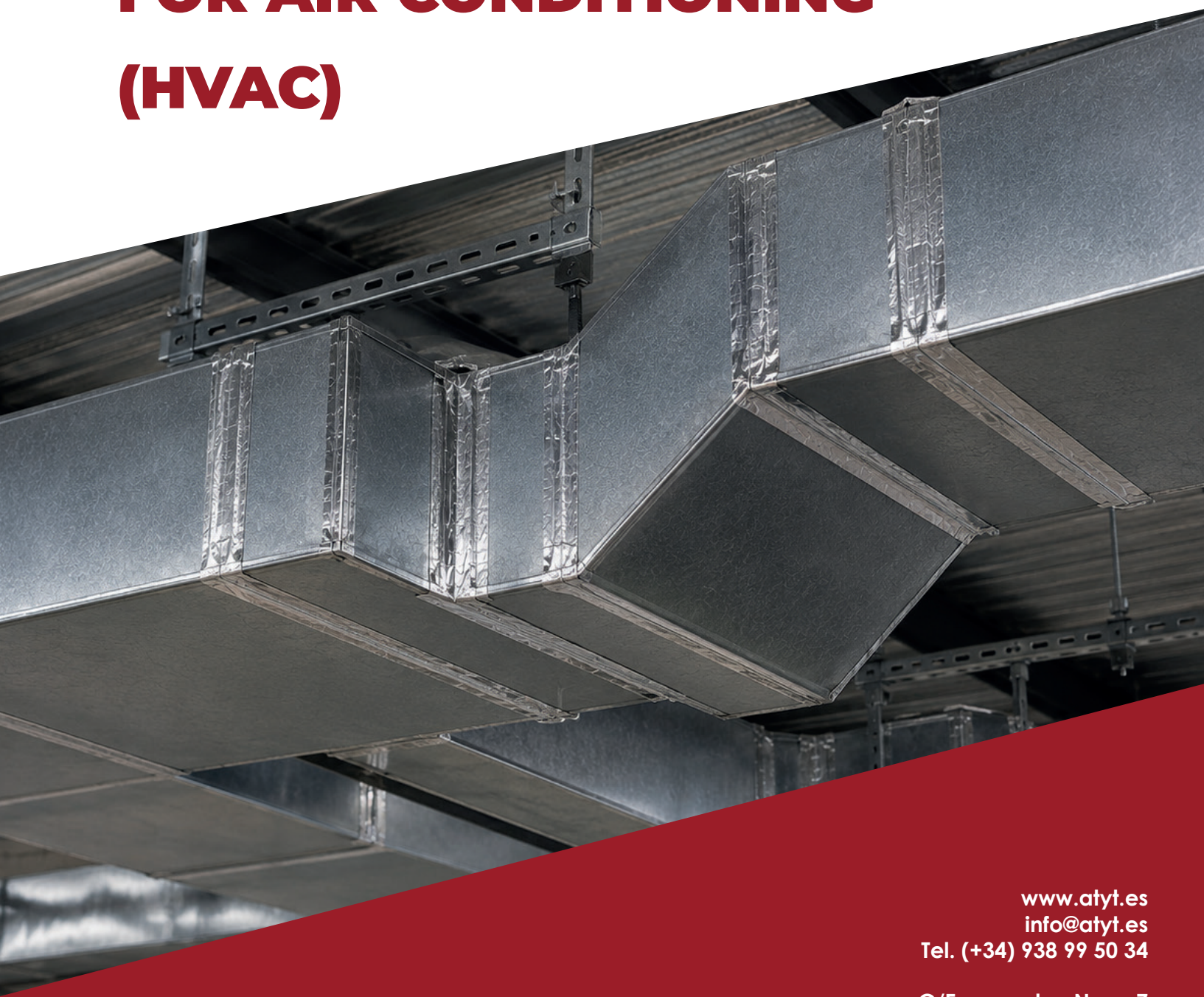


# CATALOG

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## **ADHESIVE SOLUTIONS FOR AIR CONDITIONING (HVAC)**



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## ADHESIVOS TÉCNICOS Y TROQUELADOS S.L.

Adhesivos Técnicos y Troquelados S.L. is a company specialized in the supply and processing of technical adhesive solutions for the industrial and professional markets. With over 25 years of extensive experience in the sector, the company focuses on the production, conversion, and die-cutting of adhesive tapes, offering high-quality products tailored to the specific needs of each customer.

**ATyT's** philosophy is based on technical expertise, a personal approach, and a focus on results, providing effective solutions for every industry.

Our ability to customize and adapt, allows us to develop tailor-made solutions, optimizing production processes and improving our clients' efficiency.

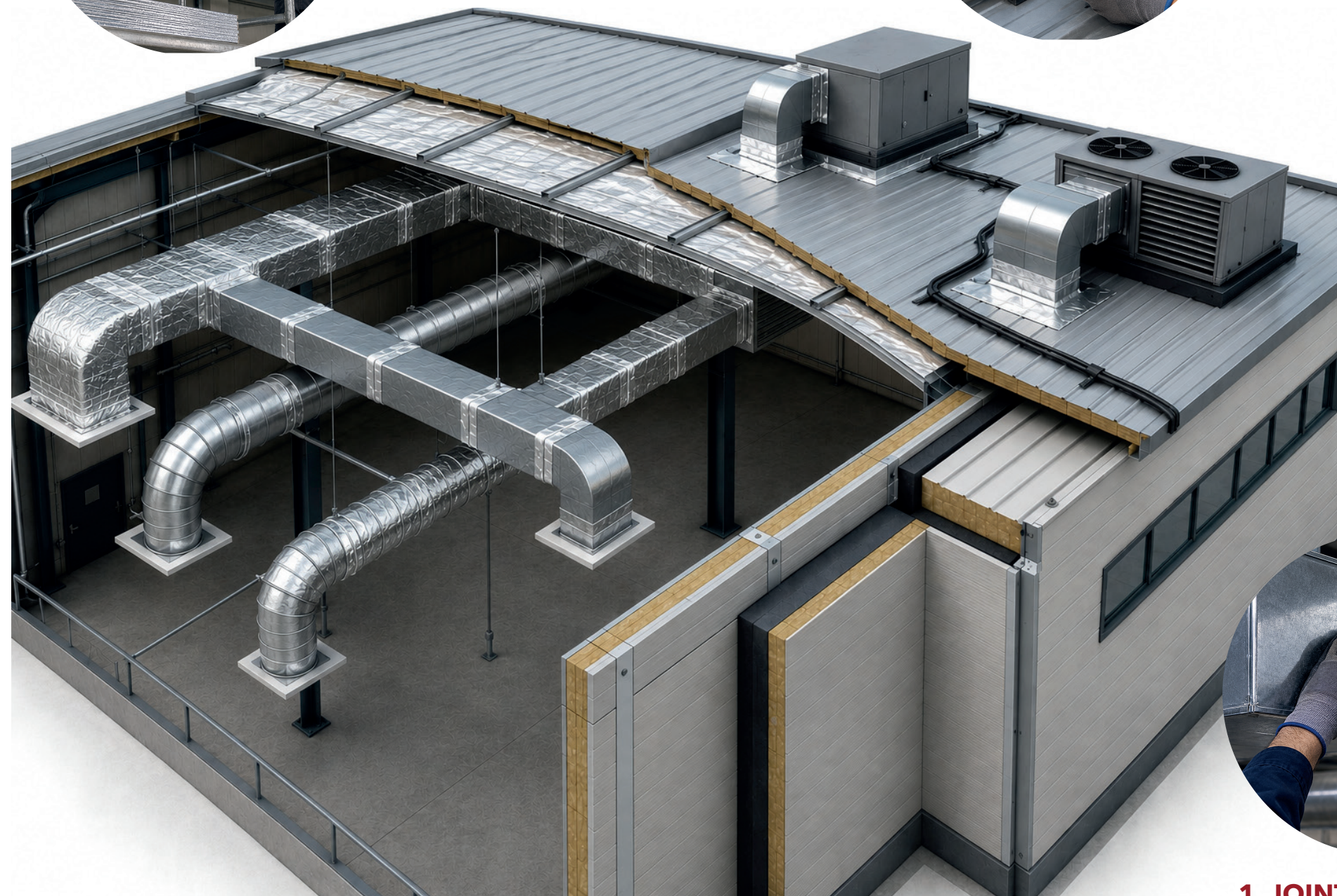
The company is committed to continuous improvement, product quality, and competitiveness, working with top-tier raw material suppliers and implementing rigorous controls at every stage of the process. In addition, it maintains a strong commitment to innovation and sustainability, incorporating adhesive solutions that meet the market's new technical and environmental requirements.

Thanks to its expertise and technical knowledge, **Adhesivos Técnicos y Troquelados S.L.** has established itself as a strategic partner for distributors and companies seeking reliability, prompt service, and adhesive solutions tailored to each application.

**2. THERMAL INSULATION  
AND VAPOR BARRIERS**



**3. REFRIGERATION AND EQUIPMENT**



**1. PIPE SEALING**



**1. JOINT SEALING**

At ATyT, you'll find  
the adhesive solution  
you're looking for

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# 01

## SEALING OF PIPES AND JOINTS

In any industrial HVAC or ventilation system, the air distribution ductwork network is the backbone of the system. Kilometers of galvanized sheet metal, flexible ducting, and connections through which treated air flows to each space must be completely airtight: a single unsealed joint can result in up to a 30% energy loss, with a corresponding impact on the customer's bill and the system's performance.

Whether you're an HVAC installer, a maintenance technician, or work in a duct manufacturing facilities, you're familiar with the scenario: cross joints, longitudinal seams, connections to flexible duct, TDC/TDF flanges (*Connection systems for rectangular air ducts in HVAC and ventilation systems*), and collars that must be perfectly sealed before being applied. European regulations and SMACNA (*Sheet Metal and Air Conditioning Contractors' National Association*) standards leave no room for compromise: sealing is not optional, it is a leak-tightness requirement.

- The tapes in this category are designed to meet these exact needs.  
The aluminum tape with acrylic adhesive is the standard solution for seams and joints in galvanized sheet metal and rigid fiberglass.
- The aluminum butyl tape provides superior sealing on flanges and uneven surfaces, thanks to its butyl rubber adhesive that perfectly conforms to the joint's geometry
- without requiring high pressure.
- The metallized PP tape and the PE coated cloth duct tape round out the lineup for flexible duct connections and field repairs.



SEALING OF PIPES AND JOINTS

Aluminium adhesive tape

Composed by an aluminum backing and high-performance acrylic adhesive. Ideal for creating watertight seals on joints in galvanized sheet metal ducts and HVAC systems.

Color: 

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 45 m x 48 mm | 24 units |
| 45 m x 62 mm | 20 units |
| 45 m x 72 mm | 16 units |



Color: 

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 48 m x 48 mm | 24 units |
| 45 m x 62 mm | 20 units |
| 45 m x 72 mm | 16 units |



Colored aluminium adhesive tape

Composed by with an aluminum backing and high-performance acrylic adhesive, available in various colors. It facilitates the visual identification of circuits or sections in complex installations.

Colors:  

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 50 m x 50 mm | 24 units |
| 50 m x 75 mm | 16 units |



SEALING OF PIPES AND JOINTS

Reinforced aluminium adhesive tape

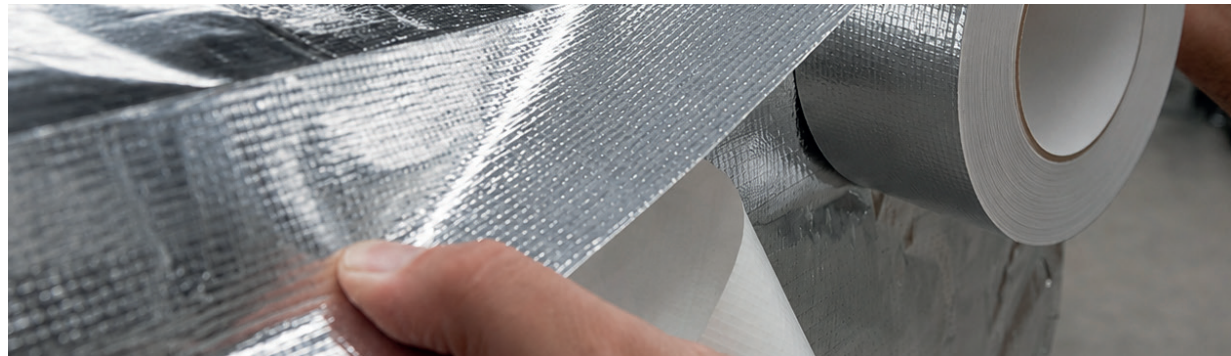
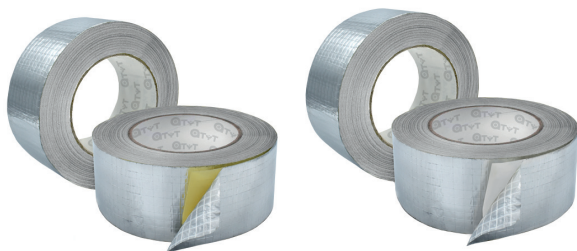
Aluminum tape with integrated reinforcing mesh for greater tear resistance. Recommended for joints subject to vibration or movement in industrial facilities.

Available with reinforcement:

3x3 with white liner

5x5 with yellow liner

| DIMENSIONS    | QTY/BOX  |
|---------------|----------|
| 50 m x 50 mm  | 24 units |
| 50 m x 75 mm  | 16 units |
| 50 m x 100 mm | 12 units |



Aluminium butyl tape

Self-adhesive tape composed by a butyl rubber adhesive and a PET aluminum backing. It provides a waterproof and flexible seal for critical joints, conforming perfectly to uneven surfaces.

Colors:    

| DIMENSIONS    | QTY/BOX  |
|---------------|----------|
| 10 m x 50 mm  | 24 units |
| 10 m x 75 mm  | 16 units |
| 10 m x 100 mm | 12 units |
| 10 m x 200 mm | 4 units  |
| 10 m x 300 mm | 4 units  |

0,6 mm  
0,8 mm



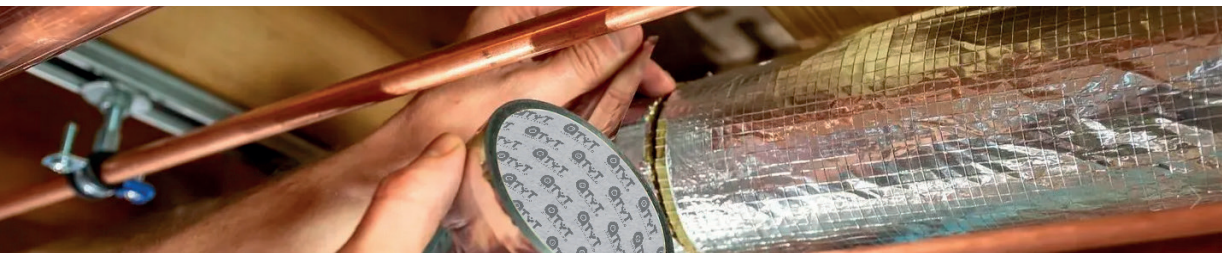
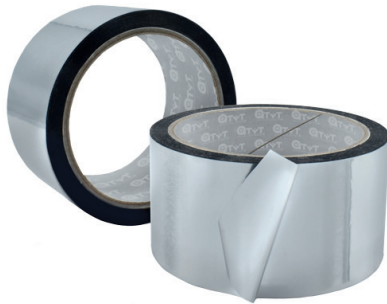
SEALING OF PIPES AND JOINTS

Metallized PP adhesive tape

Lightweight, flexible polypropylene tape with a metallic finish.  
Commonly used to seal flexible ducts and connections in ventilation systems.

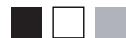
Color: 

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 50 m x 50 mm | 36 units |
| 50 m x 72 mm | 24 units |

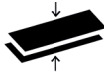


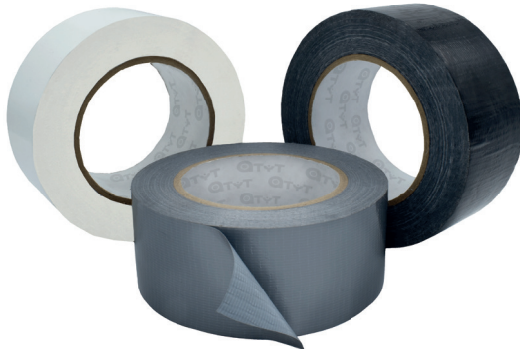
Laminated PE coated cloth duct tape

Laminated coated cloth tape composed by rubber adhesive; highly durable and versatile.  
Suitable for temporary fastenings, field repairs, and reinforcing connections in air conditioning systems.

Colors: 

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 50 m x 50 mm | 24 units |
| 50 m x 75 mm | 16 units |

150 µm  
230 µm 



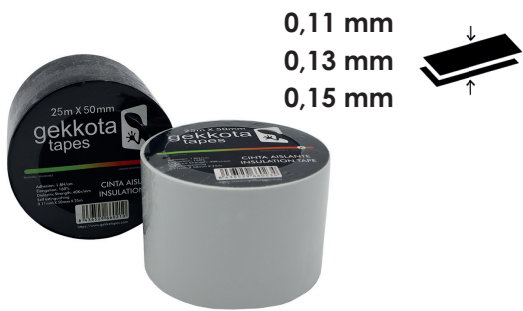
SEALING OF PIPES AND JOINTS

PVC Gekkota electrical tape

Flexible PVC electrical tape with natural rubber adhesive, flame-retardant. Protects and identifies electrical installations in HVAC equipment and control panels.

Colors: 

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 20 m x 19 mm | 72 units |
| 25 m x 19 mm | 72 units |
| 25 m x 50 mm | 60 units |



Plaster bandage

A fabric tape impregnated with fast-setting plaster. Once moistened and applied to the surface, it sets in a few minutes, forming a rigid, durable layer with a matte white finish.

It can be applied directly to wood, cardboard, plastic, or metal, making it particularly useful for sealing cracks, reinforcing pipe joints, protecting downspouts and pipes in damp environments, and creating emergency seals in installations.

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 5 m x 200 mm | 36 units |
| 45 m x 75 mm | 6 units  |



# 02

## THERMAL INSULATION AND VAPOR BARRIERS

Insulating pipes and ducts is not optional: the *Regulation on Thermal Installations in Buildings* (RITE) establishes mandatory minimum thicknesses based on the fluid, temperature, and pipe diameter.

For installers specializing in insulation, refrigeration companies, and industrial maintenance technicians, the proper finish of each joint is just as important as the thickness of the insulation itself, because an open joint compromises the vapor barrier for the entire section.

In chilled water or refrigerant lines, pipes typically operate between 6 and 12 °C. Any discontinuity in the insulation causes surface condensation, dripping, and, in the medium term, corrosion and mold growth beneath the insulation.

For this reason, the tape is not a secondary accessory: it is the element that ensures the system's vapor barrier is continuous and airtight. The most common insulation materials used are:

- Bandaflex-brand closed-cell elastomeric rubber foam (black).
- Reinforced aluminum tapes, with or without adhesive, laminated with larger or smaller mesh spacing depending on the need.
- XPE foam and other foam solutions such as EPDM for air chambers.

**There's a tape  
where you least  
expect it**

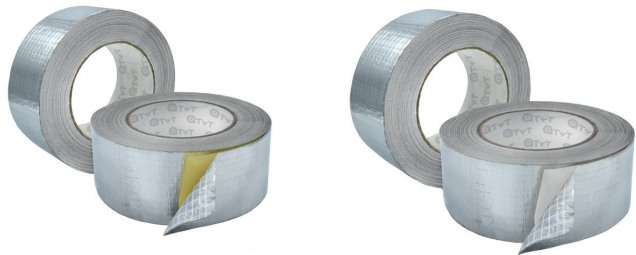


THERMAL INSULATION AND VAPOR BARRIERS

Reinforced aluminium adhesive tape

Aluminum tape laminated with bidirectional fiberglass reinforcement mesh and high-strength acrylic adhesive.  
Seals joints in glass wool insulation; resistant to moisture, temperature, and flame.

Available with reinforcement:  
3x3 with white liner  
5x5 with yellow liner



| DIMENSIONS    | QTY/BOX  |
|---------------|----------|
| 50 m x 50 mm  | 24 units |
| 50 m x 75 mm  | 16 units |
| 50 m x 100 mm | 12 units |

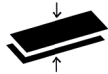


Aluminium tape without adhesive

Aluminum tape laminated with bidirectional fiberglass reinforcement mesh.  
Seals joints in glass wool insulation; resistant to moisture, temperature, and flame.

| DIMENSIONS      | QTY/BOX  |
|-----------------|----------|
| 100 m x 1000 mm | 15 units |
| 100 m x 1200 mm | 15 units |

30 µm  
40 µm  
50 µm



THERMAL INSULATION AND VAPOR BARRIERS

Reinforced aluminium tape without adhesive

Aluminum sheet laminated with fiberglass strands, without adhesive, in a large-format roll (1.200 mm width max.).  
Designed for lamination, the manufacture of insulation blankets, or as a duct lining in applications where adhesive is not required.

| DIMENSIONS      | QTY/BOX  |
|-----------------|----------|
| 100 m x 1000 mm | 15 units |
| 100 m x 1200 mm | 15 units |

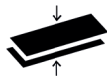


Self-adhesive XPE foam

Self-adhesive, closed-cell cross-linked polyethylene (XPE) foam tape.  
Provides excellent thermal and acoustic insulation and acts as a vapor barrier at perimeter joints in ductwork, window frames, and HVAC equipment connections.

| DIMENSIONS             | QTY/BOX |
|------------------------|---------|
| 50 m x 1000 mm x 3 mm  | 2 units |
| 50 m x 1000 mm x 5 mm  | 2 units |
| 50 m x 1000 mm x 10 mm | 2 units |

3 mm , 5 mm,  
10 mm, 15 mm, 20 mm



THERMAL INSULATION AND VAPOR BARRIERS

Self-adhesive EPDM foam

Closed-cell EPDM rubber foam tape, self-adhesive, resistant to weather, UV, ozone, and extreme temperatures.

Ideal for perimeter sealing of outdoor HVAC equipment, condensing units, and connections in environments with harsh weather conditions.

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 20 m x 15 mm | 20 units |
| 20 m x 19 mm | 16 units |
| 20 m x 25 mm | 12 units |



Kraft paper tape (vapor barrier)

Kraft paper tape coated with natural rubber adhesive. Its kraft support material ensures mechanical resistance to slippage and handling on-site. It is used to seal and overlap the joints of kraft-faced insulation in ducts and walls, completing the system's vapor barrier.

| DIMENSIONS    | QTY/BOX  |
|---------------|----------|
| 50 m x 48 mm  | 36 units |
| 50 m x 75 mm  | 24 units |
| 50 m x 100 mm | 18 units |
| 50 m x 150 mm | 12 units |



THERMAL INSULATION AND VAPOR BARRIERS

Aluminium butyl tape

Self-adhesive tape consisting of a butyl rubber compound covered with a flexible PET aluminum foil, giving the product waterproof, conformable, and UV-resistant properties.

Seals joints in ducts, downspouts, roofs, skylights, and connections in ventilated facades. Its butyl adhesive conforms perfectly to uneven surfaces without requiring high pressure.



Available colors: 

| DIMENSIONS    | QTY/BOX  |
|---------------|----------|
| 10 m x 50 mm  | 24 units |
| 10 m x 75 mm  | 16 units |
| 10 m x 100 mm | 12 units |

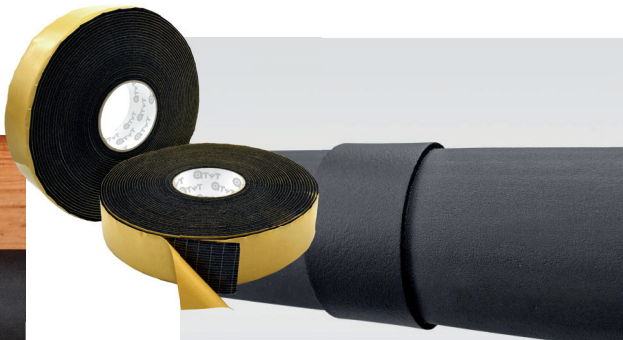
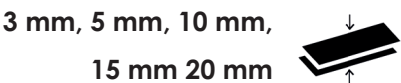


“Bandaflex” rubber foam (NBR)

Flexible, self-adhesive, closed-cell NBR (nitrile butadiene rubber) elastomeric foam tape, available in thicknesses of 3, 5, 10, 15, and 20 mm. Waterproof and highly adaptable to irregular surfaces.

It is used for sealing joints and critical points in ventilation ducts and HVAC piping where complete conformability and chemical resistance are required.

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 10 m x 50 mm | 24 units |
| 15 m x 50 mm | 12 units |
| 30 m x 50 mm | 12 units |



# 03

## REFRIGERATION AND EQUIPMENT

Installing or maintaining refrigeration and HVAC equipment - heat pumps, split systems, air handling units, chillers, or cold storage rooms - involves working under the most demanding conditions in the industry: operating temperatures ranging from -40 °C in a freezer to +80 °C in a machine room, painted or lacquered metal surfaces, continuous vibration from compressors and fans, and in many cases direct exposure to the elements, freeze-thaw cycles, and UV radiation.

For refrigeration technicians, heat pump installers, and industrial refrigeration equipment installers, the tape serves three well-defined functions.

In AHUs (Air Handling Units) and air conditioning units, it seals panels and access doors to prevent air leaks that could compromise performance.

On refrigerant lines leading to the outside, the UV-resistant tape protects the black elastomeric insulation from solar degradation, which in Mediterranean climates can cause unprotected foam to crack in less than two seasons.

In cold storage rooms, the butyl seal applied around the perimeter of each PIR/PUR panel ensures an airtight seal at subzero temperatures and prevents interstitial condensation.

Regarding the products:

- Embossed aluminum withstands thermal cycling and weathering in rooftop installations.
- Low-temperature matte aluminum maintains its adhesion below 0 °C, which is essential for repairs on units while they are in service. BOPP tape and aluminum + BOPP combine UV protection with ease of spiral application on refrigerant lines.
- White butyl tape provides a seamless finish on equipment and ductwork where aesthetics are also important.

**At ATyT, we offer  
technical tapes**



REFRIGERATION AND EQUIPMENT

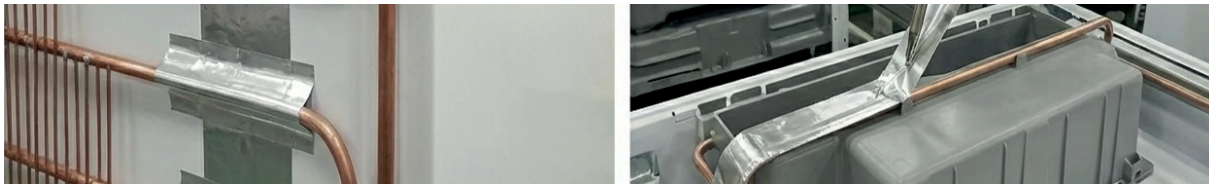
Aluminium + BOPP adhesive tape

Tape composed by a bioriented polypropylene (BOPP) film combined with an aluminum foil layer, which provides additional mechanical strength and greater protection against UV radiation.

It is the standard solution for spiral wrapping of outdoor refrigerant lines, where black elastomeric insulation requires protection against solar degradation.

Color: 

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 50 m x 25 mm | 48 units |
| 50 m x 50 mm | 24 units |
| 50 m x 62 mm | 20 units |
| 50 m x 75 mm | 16 units |

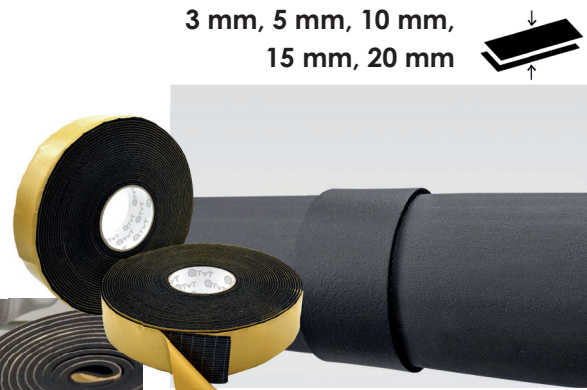


“Bandaflex” Rubber Foam (NBR)

Flexible closed-cell synthetic rubber foam tape. Specially designed for sealing joints and critical areas in ventilation ducts, refrigeration equipment, and connections between equipment and structures.

Its high conformability allows it to adapt to irregular surfaces, ensuring a durable, airtight seal.

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 10 m x 50 mm | 24 units |
| 15 m x 50 mm | 12 units |
| 30 m x 50 mm | 12 units |



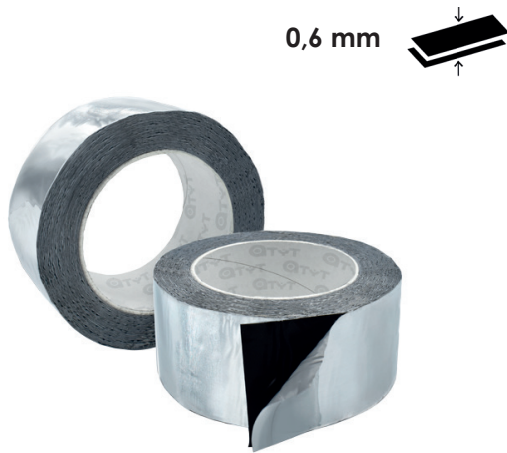
REFRIGERATION AND EQUIPMENT

White aluminium butyl tape

Self-adhesive butyl rubber tape with a white-lacquered PET/aluminum backing, providing a seamless and aesthetic finish for refrigeration equipment and ductwork where the appearance of the installation is important.

Its butyl adhesive provides a waterproof, flexible, and permanent seal that is resistant to vibration and thermal cycling. Ideal for sealing panels and joints in AHUs, rooftop units, and exposed HVAC components.

| DIMENSIONS    | QTY/BOX  |
|---------------|----------|
| 10 m x 50 mm  | 24 units |
| 10 m x 75 mm  | 16 units |
| 10 m x 100 mm | 12 units |

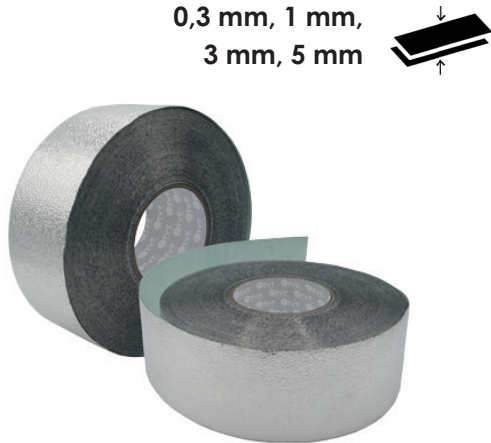


Embossed aluminium tape

Aluminum tape or sheet with a stucco-style embossed finish (grain texture). The embossed pattern provides structural rigidity and resistance to deformation, making it the standard finish for jacketing pipes and equipment in industrial facilities and cold storage rooms.

It combines mechanical protection, a professional appearance, and excellent weather resistance.

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 50 m x 50 mm | 24 units |
| 50 m x 62 mm | 20 units |
| 50 m x 75 mm | 16 units |

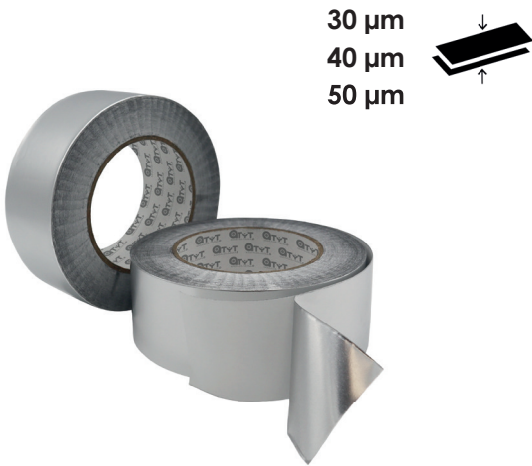


Matte aluminium tape (for low temperatures)

Aluminum tape with a matte finish and an acrylic adhesive specially formulated to maintain its adhesion at sub-zero temperatures, down to -40 °C.

The matte finish reduces glare and facilitates visual inspection in light artificially environments.

| DIMENSIONS   | QTY/BOX  |
|--------------|----------|
| 45 m x 48 mm | 24 units |
| 45 m x 62 mm | 20 units |
| 45 m x 72 mm | 16 units |



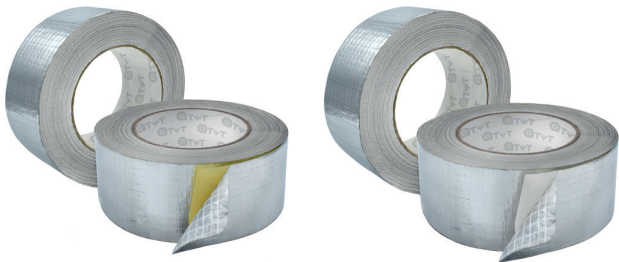
Reinforced aluminium tape

Aluminum tape with an integrated fiberglass reinforcement mesh and high-strength acrylic adhesive. It provides greater tear and pressure resistance than standard aluminum tape.

It is the gold standard for sealing joints in high-performance HVAC duct insulation, rigid fiberglass panel joints, and pipe protection in industrial refrigeration systems.

| DIMENSIONS    | QTY/BOX  |
|---------------|----------|
| 50 m x 50 mm  | 24 units |
| 50 m x 75 mm  | 16 units |
| 50 m x 100 mm | 12 units |

Available with reinforcement:  
3x3 with white liner  
5x5 with yellow liner



RECOMMENDATIONS AND WARNINGS

WORKPLACE CONDITIONS



The work area must be clean and free of dust, grease, or drafts that could compromise initial adhesion. The ambient temperature should ideally be between +5°C and +30°C, and work should be avoided in conditions of relative humidity exceeding 65%, as this can affect adhesion and cause bubbles to form. Outdoors, avoid application in the rain, in the presence of condensation, or under intense direct sunlight.

SURFACE PREPARATION



Make sure the surface is clean, dry, and free of dust, grease, silicone oils, or rust residue. For metallic materials (copper, aluminum, galvanized steel), clean the surface first with a suitable solvent (e.g., isopropyl alcohol).

For insulation or porous surfaces, check that there is no residual moisture or loose particles. On rough surfaces, it may be necessary to smooth them or apply a primer to optimize adhesion.

COMMON SURFACES IN HEATING, VENTILATION, AND AIR CONDITIONING



- Metals: copper, aluminum, stainless steel, galvanized steel.
- Plastics: rigid PVC, polyethylene, polypropylene (may require a primer in some cases).
- Insulation materials: elastomers, polyurethane foams, expanded polystyrene (EPS/XPS).
- Mineral surfaces: concrete, mortar, fiber cement (generally porous; require surface preparation).
- Textile and fiber coatings: gauze, fiberglass fabrics.

LIMITATIONS OF USE



- Do not apply adhesives to wet, frozen, or actively condensing surfaces.
- Avoid contact with greasy or silicone-coated surfaces, as they prevent adhesion.
- For high-temperature (>120 °C) or cryogenic (<-30 °C) applications, verify the resistance of the specific adhesive.
- Not all adhesives are suitable for prolonged outdoor UV exposure; in such cases, reinforce with protective tapes or coatings.

SUITABILITY AND FINAL RECOMMENDATIONS



- Select the specific adhesive for each application. Conduct a preliminary test on a small area when working with unfamiliar materials or unusual combinations. Store adhesives in cool places, away from sunlight and heat sources.
- Always apply even pressure when applying the tape or adhesive to ensure maximum contact area.
- Not all adhesives are suitable for prolonged outdoor UV exposure; in such cases, reinforce with protective tapes or coatings.



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