



Product Data Sheet

ASMACO ALUMINUM FOIL TAPE

High-Performance HVAC & Insulation for Industrial and Commercial Applications

DESCRIPTION: ASMACO Aluminum Foil Tape is a high-quality pressure-sensitive tape made with soft aluminum foil backing coated with a strong acrylic adhesive. The tape offers excellent adhesion, conformability, and resistance to moisture, chemicals, and weathering. It is designed for HVAC, insulation, and general-purpose sealing applications.



KEY PERFORMANCE PROPERTIES

- High adhesion strength on metal, plastic, and insulation surfaces
- Excellent resistance to moisture, vapor, and UV exposure
- High temperature and flame resistance
- Superior thermal conductivity and reflectivity
- Provides EMI/RFI shielding effectiveness
- Conformable to irregular and curved surfaces
- Long-lasting performance in indoor and outdoor applications

AREAS OF APPLICATION

- Sealing and joining of HVAC ducts and insulation boards
- Moisture vapor barrier in refrigeration and air conditioning systems
- General-purpose patching, repairing, and sealing applications
- EMI/RFI shielding in electrical and electronic applications
- Heat shielding and protective wrapping in automotive and aerospace industries

STORAGE & SHELF LIFE

ASMACO ALUMINUM FOIL TAPE Store in original packaging in a cool, dry area away from direct sunlight.

Recommended storage temperature: +15°C to +25°C.

Shelf life: 12 months from date of manufacture under proper storage conditions.

METHOD OF APPLICATION

APPLICATION INSTRUCTIONS

Surface Preparation

- Ensure that the substrate surface is clean, dry, and free from dust, grease, oil, or loose particles.
- For best adhesion, clean the surface with a suitable solvent or cleaning agent and allow it to dry completely.
- Measuring and Cutting
- Cut the tape to the required length using sharp scissors, a utility knife, or a cutter to avoid jagged edges.
- Ensure the cut edges are straight for better sealing and overlap.

Application

- Remove the release liner carefully without touching the adhesive surface.
- Position the tape on the desired area and apply it with firm, even pressure using a hand roller or squeegee to eliminate air bubbles.
- For best performance, overlap the edges of the tape slightly (minimum 5–10 mm) to create a continuous seal.

Final Check

- Press down along the entire length of the tape to ensure full contact and bonding with the surface.
- Avoid stretching the tape during application, as this may cause lifting or edge curling later.

Application Conditions

- Recommended application temperature: +10°C to +40°C.
- Do not apply at temperatures below +10°C, as adhesive performance may be reduced.

AVAILABLE SIZE & PACKAGING

Width mm/inch	Standard Roll Length Meter/Yards	Packaging
48mm/ 1.88 inch	27.43 meter / 30 yards	24 Roll / Carton
72mm / 2.83 inch	27.43 meter / 30 Yards	16 Roll / Carton

Special size will be on request.

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CLEAN UP

Any adhesive residue from **ASMACO ALUMINUM FOIL TAPE** can be removed by wiping the surface with acetone or Tangit Cleaner.

HEALTH & SAFETY

- Non-toxic adhesive; safe for normal handling.
- Avoid prolonged skin contact; use gloves if necessary.
- Do not ingest. In case of eye or skin contact, wash with plenty of clean water.
- Keep out of reach of children.
- Refer to the Material Safety Data Sheet (MSDS) for more detailed safety instructions.

TECHNICAL PERFORMANCE PROPERTIES

DESCRIPTION	UNIT	STANDARDS
Material Type	Aluminum Foil	—
Thickness of Foil	22 micron	—
Release Paper Thickness	99 microns	—
Type of Glue	Synthetic Rubber	—
Thickness of Glue	14	—
Application Temperature	+10°C to +40°C	—
Service Temperature	5°C to +60°C	—
Peel Adhesion to Steel	≥ 12.5 N/25 mm	PSTC - 101, ASTM D 3330
Complete Thickness of Foil Tape added Release Paper	~135 microns	PSTC - 133, ASTM D 3652
Tensile Strength	≥ 29 N/25mm	PSTC - 131, ASTM D 3759
Elongation at Break	≥ 3 %	PSTC - 131, ASTM D 3759

Shipping Limitations: None

Note

The information and data contained in the product data sheet is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of the product for usage. Since the supplier cannot know all the uses, or the conditions of use to which the product may be exposed, no warranties concerning the fitness or suitability for particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise if the application, product specifications or manner in which our products are used require government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

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MFG. OF SILICONE , ACRYLIC & POLYURETHANE SEALANTS, WATER PROOFING COATINGS, SELF - ADHESIVE TAPES, SPRAY PAINTS, CONTACT ADHESIVE, PVC CEMENTS, EPOXY STEEL

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