



Product Data Sheet

ASMACO FSK ALUMINIUM TAPE

High-Performance Reinforced Foil Tape for HVAC Insulation, Vapor Barrier, and Seam Sealing.

Description: ASMACO FSK ALUMINIUM TAPE is a high-performance pressure-sensitive sealing tape consisting of an Aluminium foil laminated with fiberglass Scrim (FSK) and Kraft paper backing, coated with a strong acrylic or solvent-based adhesive. It is designed for sealing, joining, repairing, and protecting insulation systems while providing excellent resistance to moisture, heat, and aging. The tape offers high tensile strength, dimensional stability, and reliable adhesion to a wide range of substrates.



KEY PERFORMANCE PROPERTIES

- High-performance Foil-Scrim-Kraft (FSK) backing provides excellent reflection of heat and light, enhancing thermal efficiency.
- Premium acrylic adhesive delivers strong initial tack, excellent adhesion, and long-term holding power on metal and insulation facings.
- Reinforced fiberglass scrim offers high tensile strength and superior resistance to tearing and puncturing.
- Excellent moisture and vapor barrier properties with a low moisture vapor transmission rate (MVTR).
- Good dimensional stability with reliable performance under varying environmental conditions.
- Resistant to humidity, aging, and weathering for extended service life.
- Flexible construction allows easy application over flat, curved, and irregular surfaces.
- Wide operating temperature range from **-20°C to +80°C (-4°F to +176°F)**.
- Designed for durable sealing of FSK insulation joints and seams in HVAC ductwork and thermal insulation systems.
- Provides long-lasting performance under normal service conditions.

AREAS OF APPLICATION

- Sealing joints and seams of FSK-faced fiberglass duct insulation.
- HVAC ductwork sealing and vapor barrier applications.
- Joining insulation panels and blanket insulation.
- Repairing damaged insulation facings.
- Refrigeration and air-conditioning insulation systems.
- Industrial insulation systems for pipes, tanks, and vessels.
- Thermal insulation installations in commercial and residential buildings.
- Moisture and vapor barrier sealing applications.

METHOD OF APPLICATION

Surface Preparation

- Ensure all insulation facings, duct surfaces, or substrates are clean, dry, and free from dust, oil, grease, moisture, and other contaminants.
- Remove any loose particles or damaged insulation material before application.
- For optimum adhesion, apply the tape only to clean, dry surfaces.

Tape Application

- Cut the FSK Aluminium Tape to the required length.
- Remove the release liner (if applicable) and position the tape centrally over the joint, seam, or overlap.
- Apply the tape smoothly while maintaining firm, even pressure from the center outward to eliminate air pockets and wrinkles.
- Press the tape firmly along the entire length using a hand roller or squeegee to ensure maximum adhesive contact.

Joint Sealing

- Ensure the tape completely covers the joint or seam with adequate overlap on both sides to provide an effective air, moisture, and vapor seal.
- For best results, apply the tape at temperatures above **+5°C** or as recommended by the manufacturer.

Bond Development

- The adhesive provides immediate tack; however, full bond strength develops after sufficient dwell time under normal ambient conditions.
- Avoid disturbing the tape immediately after application to achieve optimum adhesion.

Storage and Handling

- Store the tape in its original packaging in a cool, dry, and well-ventilated area away from direct sunlight, heat sources, and excessive humidity.
- Recommended storage temperature: **+10°C to +30°C**.
- Keep the roll clean and protected from dust and contaminants until use.

CLEAN UP

Any adhesive residue from ASMACO FSK ALUMINIUM TAPE adhesive can be removed by ASMACO STICKER & LABEL REMOVER spray.



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AVAILABLE SIZE & PACKAGING

Width (mm)	Standard Roll Length Y/M	PACKAGING
48	20 Yard, (18.25 meter)	24 Roll / Carton
48	25 Yard, (22.85 meter)	24 Roll / Carton
48	30 Yard, (27.40 meter)	24 Roll / Carton
72	20 Yard, (18.25 meter)	16 Roll / Carton
72	25 Yard, (22.85 meter)	16 Roll / Carton
72	30 Yard, (27.40 meter)	16 Roll / Carton
96	20 Yard, (18.25 meter)	12 Roll / Carton
96	25 Yard, (22.85 meter)	12 Roll / Carton
96	30 Yard, (27.40 meter)	12 Roll / Carton

Special Sizes: Width × Length – available subject to Minimum Order Quantity (MOQ)

HEALTH & SAFETY

ASMCO FSK ALUMINIUM TAPE has a shelf life of 12 months from production date when stored in its original packaging at temperatures between +5°C and +30°C.

STORAGE & SHELF LIFE

- Avoid Skin Contact with Adhesive.
- Use in Well-Ventilated Areas.
- Keep Away from Heat and Flames.
- Do Not Ingest.
- Adhesive Removal.
- Keep Out of Reach of Children and Pets.

TYPICAL PROPERTIES

DESCRIPTION	UNIT	STANDARDS
Color	Silver	—
Total Thickness	≥ 170 μm	PSTC- 133 ASTM D 3652
Peel Adhesion to Steel	≥ 25 N / 25mm	PSTC-101 ASTM D 3330
Elongation at Break	≥ 1.2%	PSTC- 131 ASTM D 3759
Tensile Strength	≥ 120 N / 25mm	PSTC- 131 ASTM D 3759
Application Temperature	+5°C — +40°C	—
Service Temperature	-30°C — +80°C	—

CERTIFICATIONS



Regional Compliance Notice

Please note that regulatory requirements may vary from one region to another. As a result, product information and recommended applications may differ between countries. For accurate and up-to-date details on product specifications and approved uses, and for any technical guidance, please contact ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE Technical Department.

Disclaimer

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