



Product Data Sheet

ASMACO ALU GLASS TAPE

Reinforced Aluminium Foil Tape with Fiberglass Backing for Insulation, HVAC, and Sealing Applications

Description: ASMACO ALU GLASS TAPE is a premium reinforced aluminium foil tape comprising an aluminium foil layer laminated to a glass cloth backing and coated with a high-performance flame-retardant solvent acrylic adhesive, protected by an easy-release silicone release paper. The reinforced construction provides exceptional mechanical strength, durability, and dimensional stability while ensuring secure, long-lasting adhesion.

The combination of aluminium foil and glass cloth reinforcement offers excellent resistance to tearing, puncturing, and handling damage, making the tape suitable for demanding insulation environments. Its flame-retardant adhesive system provides reliable bonding under a wide range of operating conditions, while the flexible construction enables quick and easy installation, helping maintain the integrity and protection of insulation systems.



KEY PERFORMANCE PROPERTIES

- Reinforced aluminium foil with glass cloth backing provides high tensile strength and enhanced durability.
- High-performance flame-retardant solvent acrylic adhesive ensures strong initial tack and long-lasting adhesion.
- Excellent resistance to tearing, puncturing, and mechanical stress during handling and installation.
- Provides an effective moisture and vapor barrier for insulation systems.
- Reflective aluminium surface enhances heat and light reflection for improved thermal efficiency.
- Excellent dimensional stability with minimal stretching, shrinkage, or deformation.
- Resistant to humidity, aging, and temperature variations for reliable long-term performance.
- Flexible construction allows easy application on flat, curved, and irregular surfaces.
- Delivers reliable sealing of insulation joints, seams, overlaps, and connections.
- Designed for long-term performance in demanding HVAC, insulation, and industrial environments.

AREAS OF APPLICATION

- Sealing joints and seams of aluminium-faced insulation materials.
- HVAC duct insulation and vapor barrier sealing applications.
- Repairing damaged aluminium foil insulation facings.
- Thermal insulation systems for ducts, pipes, tanks, and equipment.

- Refrigeration and air-conditioning insulation installations.
- Joining insulation boards, blankets, and composite insulation materials.
- Industrial insulation and maintenance applications.
- Reflective insulation systems requiring aluminium foil protection.
- Moisture-resistant sealing applications in construction and MEP works.
- General-purpose repair and reinforcement applications requiring high-strength foil tape.

METHOD OF APPLICATION

Surface Preparation

- Ensure the application surface is clean, dry, and free from dust, dirt, oil, grease, moisture, and other contaminants.
- Remove any loose materials or damaged insulation before applying the tape.
- Ensure the surface is smooth and stable to achieve maximum adhesive performance.
- For best results, wipe the surface with a clean, dry cloth before application.

Tape Application

- Measure and cut the required length of ASMACO ALU GLASS TAPE using a suitable cutting tool.
- Position the tape over the joint, seam, or area requiring sealing.
- Apply the tape gradually while pressing firmly to avoid wrinkles, air pockets, or poor contact.
- Apply uniform pressure across the entire tape surface to ensure maximum adhesion.
- Use a hand roller or suitable pressing tool for improved bonding where required.
- Ensure sufficient overlap at joints and seams to maintain an effective moisture and vapor barrier.

Tearing or Cutting

- The tape can be easily cut using scissors, a utility knife, or other suitable cutting tools.
- Avoid excessive pulling or stretching during handling to maintain the integrity of the fiberglass reinforcement.



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Adhesion Time

- The pressure-sensitive adhesive provides immediate tack after application.
- Allow sufficient time for the adhesive to develop full bonding strength under normal environmental conditions.
- Avoid disturbing, repositioning, or applying stress to the tape immediately after installation.
- Final adhesion performance depends on surface condition, application pressure, and environmental conditions.

Storage and Handling

- Store the tape in a cool, dry, and well-ventilated area away from direct sunlight and heat sources.
- Maintain storage conditions between **+5°C to +25°C** for optimum adhesive performance.
- Keep rolls in their original packaging until use to protect against dust, moisture, and contamination.
- Avoid excessive pressure, bending, or deformation of rolls during storage.
- Handle carefully to prevent damage to the aluminium foil and fiberglass reinforcement structure.

STORAGE & SHELF LIFE

ASMACO ALU GLASS TAPE has a shelf life of 12 months from production date when stored in its original packaging at temperatures between 5°C and 25°C.

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)

CLEAN UP

Any adhesive residue from **ASMACO ALU GLASS TAPE** adhesive can be removed by **ASMACO STICKER & LABEL REMOVER** spray.

HEALTH & SAFETY

- 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.

TECHNICAL PROPERTIES

DESCRIPTION	UNIT	STANDARDS
Color	Silver	—
Backing Thickness	≥ 120 μm	PSTC-133 / ASTM D 3652
Total Thickness	≥ 170 μm	PSTC- 133 ASTM D 3652
Peel Adhesion to Steel	≥ 15 N / 25mm	PSTC-101 ASTM D 3330
Elongation at Break	≥ 5.0%	PSTC- 131 ASTM D 3759
Tensile Strength	≥ 255 N / 25mm	PSTC- 131 ASTM D 3759
Application Temperature	+5°C — +40°C	—
Service Temperature	-30°C — +120°C	—
Fire Rating	+25 / 50 & Class O	UL 723 & BS476, PT. 6 & 7

CERTIFICATIONS





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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 Technical Department ANCHOR ALLIED FACTORY L.L.C. SHARJAH, UAE.

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