



Delta Duct

Delta Duct Air Conditioning

ADHESIVE TAPES & FOAM TAPES



**Tested as per
ASTM E84 Standard**



ISO 9001:2015 Certified Company

Made in UAE. Manufactured & marketed by Delta Duct Airconditioning.
All copyrights reserved. Delta Duct Airconditioning reserves the right to make changes without prior notice.

Contents

ADHESIVE TAPES

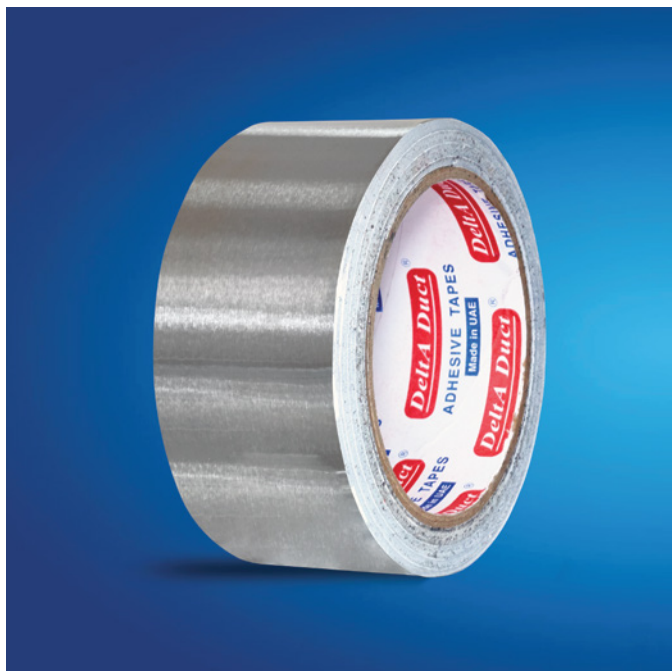
| | |
|--|----|
| Delta Duct Aluminum Foil Tape | 01 |
| Delta Duct Alu Glass Tape (FR Grade) | 02 |
| Delta Duct FSK Tape | 04 |
| Delta Duct Reinforced Alu Foil Tape (FR Grade) | 05 |

FOAM TAPES

Single Sided Foam Tape

| | |
|--------------------------------------|----|
| Delta Duct EVA Foam Tape | 06 |
| Delta Duct NBR Foam Tape | 07 |
| Delta Duct Double Sided PE Foam Tape | 08 |

Aluminum Foil Tape



Delta Duct Aluminum Foil Tape is nominal dead soft aluminum foil with strong high performance synthetic rubber-resin adhesive and protected by easy release liner.

Features:

- Excellent peel adhesion
- Permanent bonding
- Good water & fire resistance
- Good aging resistance

Applications:

Super performance, professional grade foil tape. Ideal for sealing joints / seams against moisture and vapor on foil jacketing insulation. Suitable for many other permanent

sealing, holding, splicing or masking applications requiring the protection offered by a foil backing. It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied must be clean, dry, and free of grease and oil.

Technical Data Sheet:

| Property | Unit | Value | Test Method |
|---------------------|---------|-----------|-------------|
| Backing thickness | Micron | 20 ± 2 | ASTM D3652 |
| Peel adhesion | N/25 mm | 20 | ASTM D3330 |
| Tack rolling ball | cm | 20 | ASTM D3121 |
| Tensile strength | N/25 mm | 35 | ASTM D3759 |
| Elongation | % | 3.0 | ASTM D3759 |
| Service temperature | °C | -20 ~ +60 | --- |

Tolerance: Thickness ± 2 micron, Width ± 1 mm.

Packing:

| Width | Length | Rolls / Boxes |
|-------|----------|---------------|
| 2" | 25 yards | 24 |
| 3" | 25 yards | 16 |
| 4" | 25 yards | 12 |

Storage:

Store @ 27°C and 50% relative humidity.

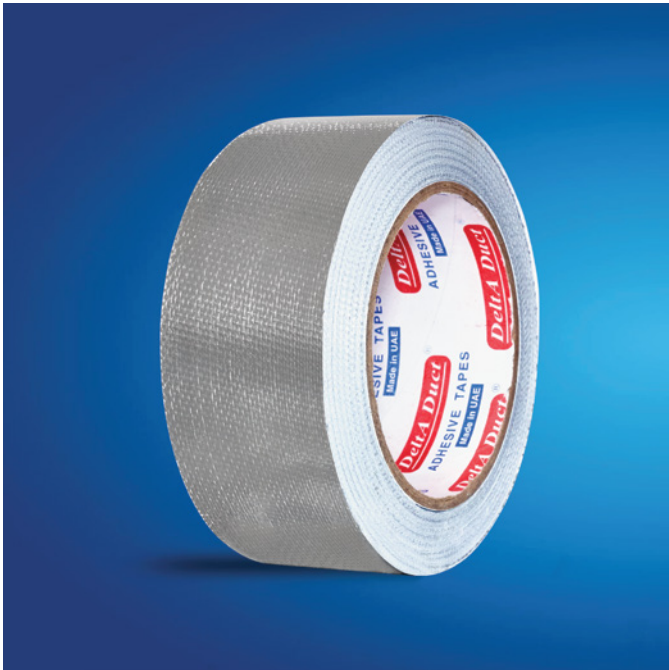
Shelf Life:

01 year from the date of manufacturing.

Note:

- The data above are typical results and not to be used for specification purpose.
- Custom sizes can be made as per request.

Delta Duct Alu Glass Tape (FR Grade)



Delta Duct Alu Glass Tape is a foil-glass cloth backing (7u foil with a 10 x 10 mesh 85 gsm glass cloth) with strong high performance flame-retardant acrylic adhesive and protected by easy release liner.

Features:

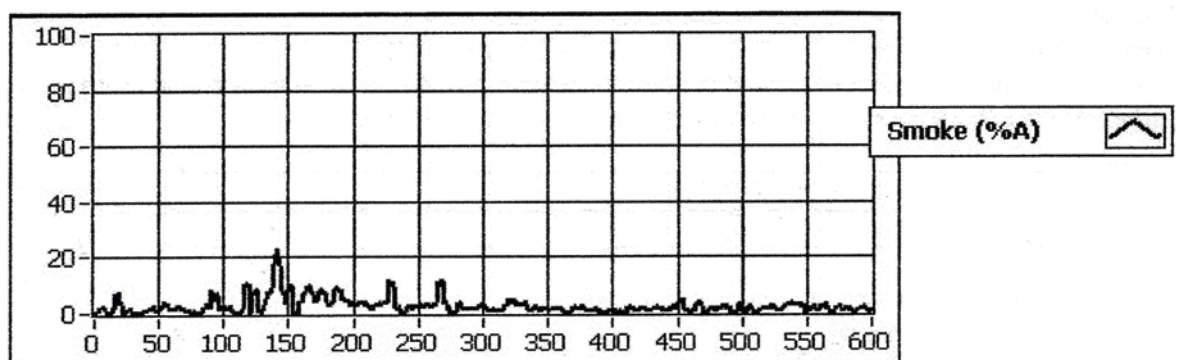
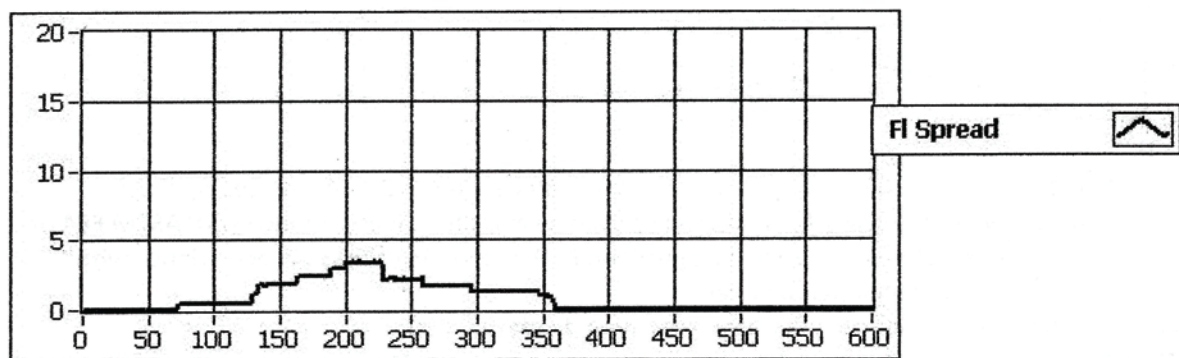
- Match foil-glass cloth laminate
- FR grade & permanent bonding
- High tensile & tear strength
- Outstanding temperature & aging resistance

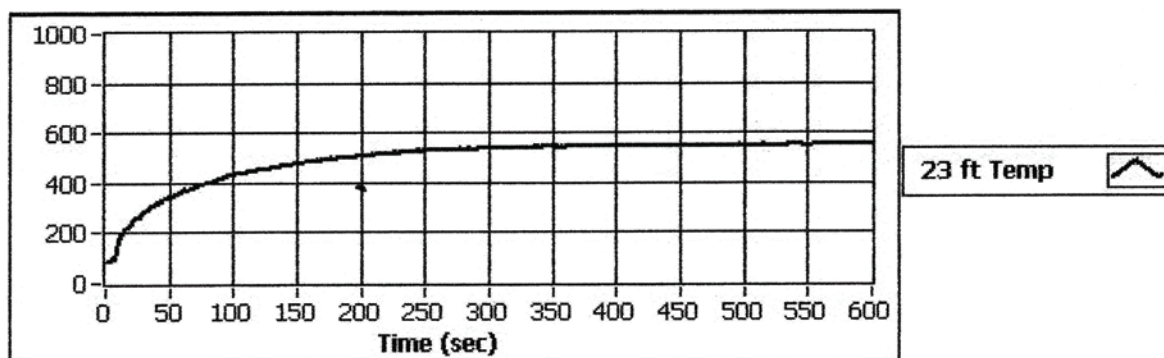
Applications:

Commercial FR grade foil-glass cloth tape. Specially designed for sealing insulation joints and seams against moisture and vapor on foil-glass cloth. Suitable for both HVAC and industrial application. It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied must be clean, dry, and free of grease and oil.

Test Done:

(SJ146-2) The Delta Aluglass Tape is tested as per ASTM E84 standard.





Technical Data Sheet:

| Property | Unit | Value | Test Method |
|---------------------|---------|------------|-------------|
| Backing thickness | Micron | 120 | ASTM D3652 |
| Peel adhesion | N/25 mm | 15 | ASTM D3330 |
| Tack rolling ball | cm | 20 | ASTM D3121 |
| Tensile strength | N/25 mm | 250 | ASTM D3759 |
| Elongation | % | 5.0 | ASTM D3759 |
| Fire rating | 25 / 50 | Passed | UL 723 |
| Service temperature | °C | -20 ~ +120 | --- |

Tolerance: Thickness ± 2 micron, Width ± 1 mm

Packing:

| Width | Length | Rolls / Boxes |
|-------|----------|---------------|
| 2" | 25 yards | 24 |
| 3" | 25 yards | 16 |
| 4" | 25 yards | 12 |

Storage:

Store @ 27°C and 50% relative humidity.

Shelf Life:

01 year from the date of manufacturing.

Note:

- The data above are typical results and not to be used for specification purpose.
- Custom sizes can be made as per request.

Delta Duct FSK Tape



Delta Duct FSK Tape is a 3-way FSK backing with strong high performance aggressive synthetic rubber adhesive and protected by easy release liner.

Features:

- Excellent peel adhesion
- Good initial tack
- Permanent bonding
- Match 3-way foil-scrim-kraft facing

Applications:

Super performance, professional grade 3-way foil-scrim-kraft tape. Specially designed for sealing insulation joints and seams against moisture and vapor on 3-way scrim FSK jacketing. It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied must be clean, dry, and free of grease and oil.

Technical Data Sheet:

| Property | Unit | Value | Test Method |
|---------------------|---------|-----------|-------------|
| Backing thickness | Micron | 125 | ASTM D3652 |
| Peel adhesion | N/25 mm | 20 | ASTM D3330 |
| Tack rolling ball | cm | 20 | ASTM D3121 |
| Tensile strength | N/25 mm | 100 | ASTM D3759 |
| Elongation | % | 3.0 | ASTM D3759 |
| Service temperature | °C | -20 ~ +80 | --- |

Tolerance: Thickness ± 2 micron, Width ± 1 mm

Packing:

| Width | Length | Rolls / Boxes |
|-------|----------|---------------|
| 2" | 25 yards | 24 |
| 3" | 25 yards | 16 |
| 4" | 25 yards | 12 |

Storage:

Store @ 27°C and 50% relative humidity.

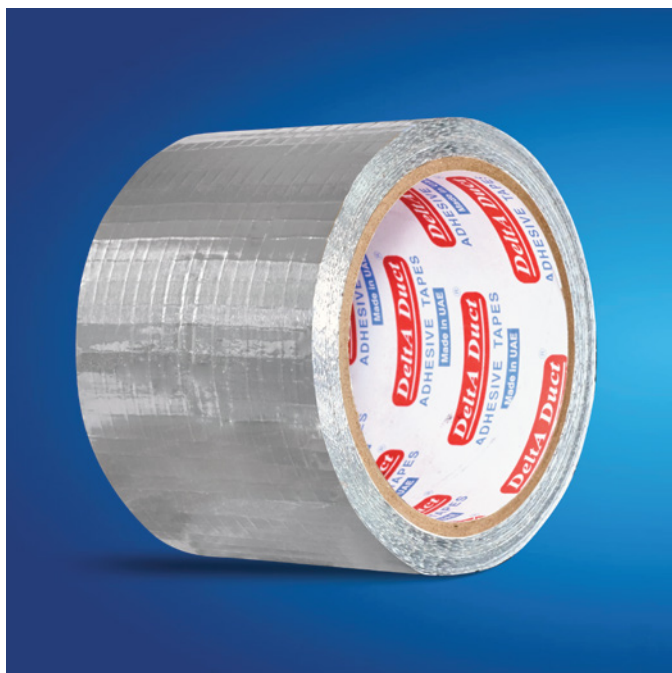
Shelf Life:

01 year from the date of manufacturing.

Note:

- The data above are typical results and not to be used for specification purpose.
- Custom sizes can be made as per request.

Reinforced Alu Foil Tape (FR Grade)



Foil-Scrim backing (Foil: 25u / 2-way Scrim: 5 x 5mm), combined with a transparent high performance solvent acrylic adhesive, protected by an easy-release silicone release paper.

Features:

- Foil-scrim backing provides excellent reflection of both heat and light.
- High quality adhesive with super strong adhesion and holding power offers reliable and durable Foil-Scrim Facing joints and seams sealing in HVAC ductwork application.
- **Low moisture vapor transmission rate makes Delta Reinforced ALU Foil Tape an excellent vapor barrier.**
- Service Temperature range from -30~+120°C (-22~+248°F).

Physical Performance:

| Property | Metric | English | Test Method |
|----------------------|---------------|---------------|------------------------|
| Backing thickness | 50 Micron | 2.0 Mil | PSTC-133 / ASTM D 3652 |
| Total Thickness | 95 Micron | 3.8 Mil | PSTC-133 / ASTM D 3652 |
| Adhesion to Steel | 25 N/25 mm | 82 Oz/In | PSTC-101 / ASTM D 3330 |
| Tack Rolling Ball | 5 cm | 2.0 In | PSTC-6 / ASTM D 3121 |
| Tensile Strength | 120 N/25 mm | 24 Lb/In | PSTC-131 / ASTM D 3759 |
| Elongation | % | 3.0 | PSTC-131 / ASTM D 3759 |
| Service Temperature | -30 ~ +120 °C | -22 ~ +248 °F | --- |
| Applying Temperature | +10 ~ 40 °C | +50 ~ +105 °F | --- |

Typical Applications:

HVAC industry for joining and sealing Foil-scrim Facing laminated fiberglass blanket / duct board / pipe section joints and seams; joining and sealing flexible air duct seams and connections. May also be used for other industrial uses requiring a tape with these characteristics and benefits.

Product Form & Size Available:

Cut Roll: 48 / 50mm (2") / 60 / 63mm (2.5") / 72 / 75mm (3") / 96mm / 100mm (4")

Important Note:

1. The data above are typical values only, and should not be used for specifications purpose.
2. Tolerance: Weight and Thickness: $\pm 10\%$; Width: $\pm 3\text{mm}$; Length: Cut Roll: $\pm 0.3\text{m}$, Jumbo Roll $\pm 0.5\%$.

Storage & Shelf Life:

12 months when stored at 21°C (70°F) / 50% relative humidity out of direct sunlight.

Storage & Shelf Life:

It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied must be clean, dry, and free of grease, oil or other contaminants.

Single Sided Foam Tape

Delta Duct EVA Foam Tape



Delta Duct EVA Foam tape is based on EVA backing material, coating on one side with strong solvent acrylic adhesive or hot melt adhesive and with white/yellow silicon paper/glassine silicon paper as release liner. EVA Foam tape is designed for adhering to the irregular surface, fixing the nameplate, auto-mirror and often used in the automobile industry such as door sealing strips, pedal and metal boards. Specially suitable for the fixation of inner structure in the glass combination like the glass curtain wall and soundproof wall etc.; also used to stick the car decorations and for the combination orientation of sound source inside the voice box. It has the advantages of high-adhesion, easy to peel, no adhesive residue etc. The foam tapes provide excellent bonding and barrier properties for gasket sealing, cushioning, mounting and insulating

applications in a wide range of industries including HVAC, Glass, Window & Door, RV & Marine, Lighting, and more.

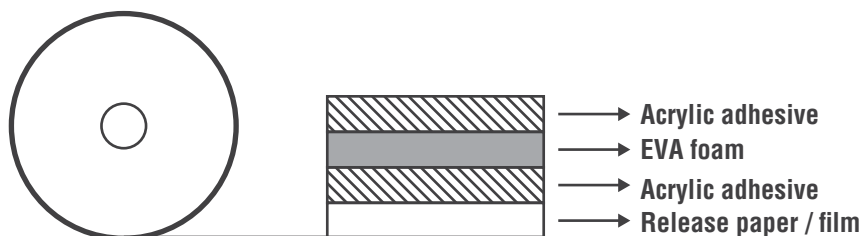
Features:

- Water proof.
- Excellent holding power, peel strength and initial adhesion.
- Anti-shock, sound proof, heat and humidity resistance.
- Superior stick capabilities to different surfaces such as metal, plastic, paper, wooden and silicon etc.
- It is easy to cut, slit and joint.

Physical performance:

| Thickness (mm) | Initial Tack (#) | Peel Adhesion (N/25mm) | Holding Powder | Foam Color |
|----------------|------------------|------------------------|----------------|------------|
| 3 | 18 | Min. 17 | Min. 24 | Black |

Structure:



Packing:

| Width | Length | Rolls / Boxes |
|-------|------------|---------------|
| 1" | 7.5 meters | 60 |
| 2" | 7.5 meters | 30 |

Single Sided Foam Tape

Delta Duct NBR Foam Tape



Rubber foam (NBR/PVC) provides an excellent seal with good durability. It also provides a good seal against outside elements including moisture. Outside is suitable. Excellent Waterproof power, Anti shock, Sound resistance, Heat resistance, Anti chemical things, UL resistance. It has excellent adhesion power and holding power on the surfaces of steel, wood, plastic, paper.

Product Application:

- NBR Rubber Foam Tape is good choice for rubber foam seam and joint sealing.
- NBR Rubber Foam tape is ideal for hot or cold piping and fittings.
- NBR Rubber Foam tape flexible, light- weight, Nitrile foam

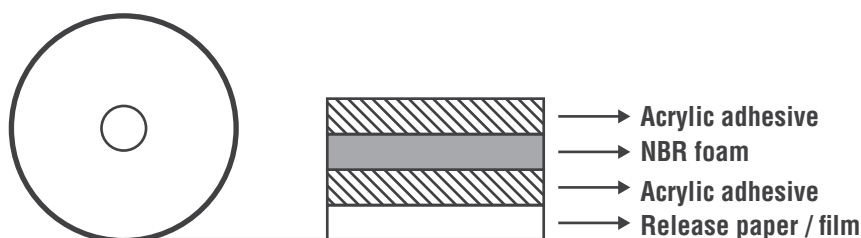
for Quality Insulation for refrigeration, air Conditioning and other applications.

- Sealing electrical enclosures and switch cabinets.
- Sealing exterior and interior lighting, Sealing industrial access doors and hatches.
- This tape is suitable for Cushioning Air, water and dust seals, Gap-filling, Surface protection, Gasket production, Anti-vibration.

Product Features:

- Very soft close cell foam.
- Excellent holding power; peel strength and initial adhesion.
- Anti shock, sound proof, heat and humidity resistance.
- Superior stick capabilities to different surfaces such as: metal; plastic; paper; wooden and silicon.

Structure:



Packing:

| Width | Length | Rolls / Boxes |
|-------|------------|---------------|
| 1" | 7.5 meters | 60 |
| 2" | 7.5 meters | 30 |

Delta Duct Double Sided PE Foam Tape



Double Sided PE Tape has strong and persistent adhesion with good weather resistance, chemicals resistance, buffering performance, voice absorption, and water-proof and excellent adhesion performance. It has very good adhesion to various plastic material surface, esp suitable for the adhesion between the plastic parts (PE/PS/ABS/PP/PC/PVC) and the glass, metal. Also suitable for the hook and fabrics etc.

Product Application:

This double sided PE foam tape can be applied in different products, it can replace the rivet for the normal structure adhesion. Mainly the material between plastic and glass, plastic and metal (esp. good adhesive to PP plastic material, better than other similar tapes). It has good performance of

sealing, buffering, anti-vibration, voice absorption, water absorption etc. It can be applied in the products of molded, glass, plastic, paper, textile, wooden, aluminum, hook etc.

Usage:

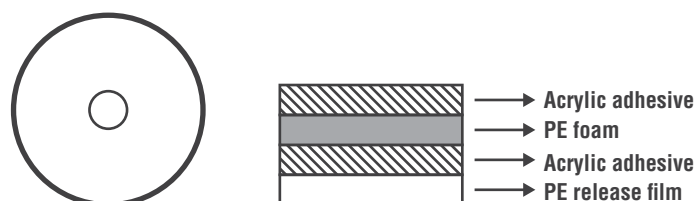
- To achieve the best adhesion, the product surface should be clean, dry and plain.
- The stable pressure can enhance the adhesion between the tape and the product during the operation.
- The best working temperature scope is 21°C to 28°C. It is not recommended to use under 10°C because the adhesive will become harder with lower adhesion. If environment temperature too low, pre-heat the product or transfer to AC workshop.

Physical performance:

Adhesive : Acrylic
Base : PE foam
Tape thickness : 1 mm, tolerance: 0.1 mm
Color : White
Temperature : -20°C - +90°C

Permanent adhesion (h, 1 kg/in²) GB-4852: min. 48
Initial adhesion (circle method/N) PSTC-5: 25
Tensile strength (kg/25 mm) GB-7753: 2.4
Elongation (%) GB-7753: 150

Structure:



Packing:

| Width | Length | Rolls / Boxes |
|-------|-----------|---------------|
| 1" | 20 meters | 60 |
| 2" | 20 meters | 30 |



Delta Duct Air Conditioning

P.O. Box: 5389, Factory: 2, Dubai Industrial City,
Saih Shuaib 4, Dubai, UAE.

Tel: +971 4 586 8930 | Fax: +971 4 586 8931

Email: info@deltaduct.com | Web: www.deltaduct.com