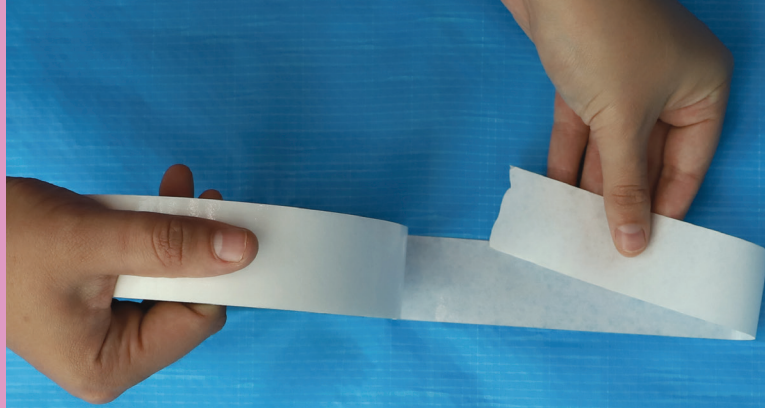


## Ametalin Double Sided Insulation Fixing Tape

Product Code: DSFT-3850

Designed for installing reflective foil insulation and permeable membranes to steel frame stud work.

Superior adhesion with high shear strength, hand tearable and withstands extreme temperatures from minus 30°C to 120°C.

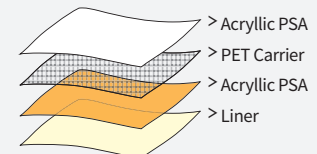


Ametalin Double Sided Fixing Tape is a high performance 0.150 mm double sided tape coated with an aggressive acrylic adhesive. Specifically designed to complement our reflective foil and permeable membranes range. Ametalin Double Sided Fixing Tape provides vapour and air sealing and heat-resistant bonding that is well suited to low surface energy construction materials, such as steel and timber stud framing.

### Features and Benefits

- > Hand tearable
- > Bonds to a wide variety of metals, timber, and low surface energy materials
- > High peel strength, shear and tack
- > Excellent UV and temperature resistance
- > Conforms well to irregular surfaces

### Construction



### Dimensions

38 mm x 50 m

### Handling and Storage

Store this product in a clean, dry place out of direct sunlight.

### Material Properties

| TEST                        | TYPICAL VALUE | TEST METHOD          |
|-----------------------------|---------------|----------------------|
| PRODUCT THICKNESS (TOTAL)   | 150 µm        | PSTC-133/ASTM D 3652 |
| ADHESION TO STEEL           | 20 N/25 mm    | PSTC-101/ASTM D 3330 |
| ADHESION TO LINER           | 0.5 N/25 mm   | PSTC-131/ASTM D 3759 |
| MINIMUM SERVICE TEMPERATURE | -30°C         |                      |
| MAXIMUM SERVICE TEMPERATURE | +121°C        |                      |
| APPLICATION TEMPERATURE     | 10°C to 40°C  |                      |

Typical values are not intended to be used for specification development. Technical data is believed to be true and accurate; Ametalin recommends that the purchaser test for fitness of use in all applications. Application surface must be clean, dry and free of oil and other contaminants. Apply pressure with plastic squeegee, ensuring that all contours are followed.

## Tape Application Instructions

### Typical Wall Framing Application Instructions

#### 1. Surface Preparation:

- > Ensure all surfaces are clean, dry, and free from dust, oil, and contaminants.
- > Poor surface preparation and moisture will reduce adhesion.

#### 2. Initial Placement:

- > Apply a vertical strip of Ametalin Double Sided Fixing Tape to the steel stud, running continuously from the top plate to the bottom plate.
- > Position the tape centrally on the stud.

#### 3. First Attachment:

- > Align the leading edge of the sarking or wall wrap with the taped stud and roll out a short distance.

#### 4. Wind Resistance:

- > Immediately secure the top and bottom corners with two anchor screws to prevent displacement in windy conditions.

#### 5. Tape Application:

- > Apply Ametalin Double Sided Fixing Tape along every second stud and around windows for additional support.

#### 6. Adhesion:

- > Peel off the tape liner, press the sarking or wall wrap onto the exposed adhesive, and smooth it into place.

#### 7. Firm Bonding:

- > Using a squeegee or small rubber roller, press down along the entire surface to ensure the tape conforms to any surface irregularities, maximising adhesion.

#### 8. Final Securing:

- > Ensure all edges, including the top, bottom, and ends, are properly secured—especially in high-wind areas—to prevent lifting or detachment.
- > **Note: Not recommended for direct fixing to the underside of hot metal roofs due to potential adhesive failure and thermal stresses. A more secure method should be considered.**

### Garage Door Insulation Instructions

#### 1. Surface Preparation:

- > Ensure both the garage door surface and the insulation surface are clean, dry, and free from dust, oil, and contaminants.
- > If the insulation has an anti-glare or painted surface, it should be removed or cleaned off before tape application.
- > For best adhesion, wipe both surfaces with a suitable cleaner (acetone, isopropyl alcohol, or spirit) and allow to dry completely.

#### 2. Tape Application – Garage Door:

- > Apply Ametalin Double Sided Fixing Tape in horizontal strips across the garage door panels.
- > Press firmly along the entire length to ensure full contact with the surface.

#### 3. Tape Application – Insulation:

- > Apply corresponding horizontal strips of tape to the insulation, aligning with the strips on the garage door.
- > Ensure the tape conforms fully to the insulation surface.
- > Press down firmly to ensure good adhesion and rub in well.

#### 4. Bonding the Insulation to the Garage Door:

- > Peel off the liner from the tape applied to the garage door.
- > Peel off the liner for a short length from one end of the tape applied to the insulation.
- > Carefully align the insulation panel and press it against the taped surface, ensuring even contact.
- > Continue to peel and press, ensuring the insulation remains aligned to the door panel.

#### 5. Firm Pressure for Maximum Bond:

- > Use a squeegee, small rubber roller to press the insulation onto the tape.
- > Work from the center outward to remove air pockets and ensure full adhesion.

#### 6. Final Check:

- > Ensure all edges are securely bonded, especially at the top and bottom of each panel.
- > If necessary, apply additional tape along edges for extra reinforcement.
- > **Important:** This installation method is only suitable for fixed panel or rigid garage doors. It is not suitable for flexible roller doors, as movement may cause insulation detachment.
- > **Note: Allow the adhesive to bond fully before exposing the garage door to extreme temperatures or movement.**

Performance insulation for a greener world

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