



## 1 PRODUCT OVERVIEW

Scudoflex Alupet Tape is a specialist aluminium foil tape reinforced with a PET film backing, combined with a high-strength, solvent-based acrylic adhesive and an easy-release liner. It is highly recommended as a reliable closing and sealing tape for Scudoflex XLPE insulation systems.

## 2 FEATURES & BENEFITS

- **Exceptional Durability:** Aluminium foil and PET laminate backing provides excellent reflection of heat and light, alongside significantly improved tear strength.
- **High Flexibility:** Conforms seamlessly to irregular and curved insulation surfaces without breaking or lifting.
- **Premium Adhesion:** High-strength solvent-based acrylic adhesive provides aggressive initial tack and reliable permanent bonding.
- **Clean Application:** Non-contaminating properties make it suitable for masking in aluminium electroplating applications.

## 3 RECOMMENDED APPLICATIONS

- **Insulation Systems:** Primary closing and sealing tape for Scudoflex XLPE insulation systems.
- **HVAC Systems:** Efficient laminating for parts of air-conditioning ducting networks.
- **Roofing:** Suitable for general roofing applications, including flashing, joints, and insulation sealing.
- **Refrigeration:** Sealing and joining ducts to provide an effective, robust vapour barrier in cooling units.
- **General Maintenance:** Ideal for indoor holding, patching, and heavy-duty sealing.

## 4 CONSTRUCTION DETAILS

| COMPONENT | MATERIAL / SPECIFICATION      |
|-----------|-------------------------------|
| Backing   | Foil reinforced with PET film |
| Adhesive  | Solvent acrylic               |
| Colour    | Dull silver                   |
| Liner     | White release paper           |





### 5 TECHNICAL SPECIFICATIONS

\* The values shown below are results of standard laboratory tests and are subject to variation.

| PROPERTY            | UNIT                | SPECIFICATION | TEST METHOD |
|---------------------|---------------------|---------------|-------------|
| Backing Thickness   | microns             | 21 ± 2        | ASTM D3652  |
| Total Thickness     | microns             | 60 ± 5        | ASTM D3652  |
| Adhesion to Steel   | g/inch              | ≥ 1600        | ASTM D3330  |
| Tensile Strength    | N/inch <sup>2</sup> | ≥ 13000       | ASTM D3759  |
| Elongation at Break | %                   | ≥ 20          | ASTM D3759  |
| Shear Test          | hours               | ≥ 96          | ASTM D3654  |
| Roll Ball Tack      | mm                  | ≤ 115         | ASTM D3121  |
| Temperature Range   | °C                  | -20 to +80    | —           |
| VOC Content         | mg/kg               | 22.79         | USEPA 8260  |

### 6 STANDARD SIZES

| WIDTH (MM) | LENGTH (YD) | ROLLS / BOX |
|------------|-------------|-------------|
| 48         | 30          | 24          |
| 72         | 30          | 16          |
| 96         | 30          | 12          |

### 7 APPLICATION & HANDLING

#### Surface Preparation

The surface must be absolutely free from oil, solvent, water, and dust prior to application.

#### Application Temperature

For best performance, apply the tape at room temperature between 15°C and 35°C.

#### Storage & Expiry

Store under normal room temperature and 50% RH in the original packaging. Must be used within 12 months.



**SCUDOFLEX**

High Performance Adhesive Solution  
Bonding | Insulating | Protecting



**STRONG  
BOND**



**HEAT  
RESISTANT**



**WATER  
RESISTANT**



**DURABLE  
PERFORMANCE**

*Bonding  
that Lasts...*