



## 1. Product Description

A nominal 18 micron (0.72 mil) high tensile strength aluminum foil backing, combined with a high performance synthetic rubber-resin adhesive, protected by an easy-release silicone release paper.

## 2. Product Features

- 1) Aluminum backing provides excellent reflection of both heat and light.
- 2) High quality adhesive with super strong adhesion and holding power offers reliable and durable Foil-Scrim-Kraft Facing joints and seams sealing in HVAC ductwork application.
- 3) Low moisture vapor transmission rate makes **AF01** an excellent vapor barrier.
- 4) Service Temperature range from -20° to +80°C (-4° to +176°F).

## 3. Typical Physical Properties

| Properties           | Metric       | English       | Test Method            |
|----------------------|--------------|---------------|------------------------|
| Backing Thickness    | 18 Micron    | 0.72 Mil      | PSTC-133 / ASTM D 3652 |
| Total Thickness      | 55 Micron    | 2.0 Mil       | PSTC-133 / ASTM D 3652 |
| Adhesion to Steel    | 5 N/25mm     | 54 Oz./In.    | PSTC-101 / ASTM D 3330 |
| Tensile Strength     | 35 N/25mm    | 7.95 Lb/In    | PSTC-131 / ASTM D 3759 |
| Elongation           | 3.0 %        | 3.0 %         | PSTC-131 / ASTM D 3759 |
| Service Temperature  | -20 ~ +80 °C | -4 ~ +176 °F  | -----                  |
| Applying Temperature | +10 ~ 40 °C  | +50 ~ +105 °F | -----                  |

## 4. Typical Applications

HVAC industry for joining and sealing Foil Facing laminated fiberglass blanket / duct board 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.

## **5. Product Form & Size Available**

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

**Log Roll:** 1200mm x 45 / 50m

**Jumbo Roll:** 1200mm x 1200m / 1350m

## **6. 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  $\pm 0.5\%$ .

## **7. Storage & Shelf Life**

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

## **8. Surface Preparation**

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

## **9. Product Use**

It is essential that the user evaluate the product to determine whether it is fit for a particular purpose and user's method of application. Good results will be obtained when applied to a clean, dry surface with a suitable pressure on products between +10 ~ +40°C (+50 ~ +105 °F).

## **IMPORTANT NOTICE**

**All statements, technical information and recommendations are based on tests we believe to be reliable as at the date of hereof, but the accuracy or completeness thereof is not guaranteed. Please ensure before using the product that it is suitable for your intended use. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, other than for fraudulent misrepresentation, ProSolve expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.**

**BEFORE USE, CONSULT THE SAFETY DATA SHEET OF THE PRODUCT.**