



# TECHNICAL DATA SHEET

## AFT 1080GF

May 2018

### Product Description

**Mightyloc AFT 1080GF** is a grey acrylic foam tape which is designed for a wide variety of bonding applications that require excellent adhesion and durability. It exhibits good chemical & elevated temperature resistance. This tape is suitable for bonding wide range of substrates commonly used in the signage and metal fabrication industries including metal, Aluminium, Stainless steel, Acrylic, glass, etc. The unique viscoelastic properties enable it to elongate, accommodating the different rates of contraction and expansion between dissimilar bonded substrates due to extreme temperature cycle exposure.

### Typical Application Areas

- Metal doors stiffeners
- Automotive accessories installation
- Truck canopies fabrication
- Outdoor signages
- Elevator stiffeners bonding
- Building facades installation

### Specifications

Thickness:	0.8mm ± 0.1mm
Adhesive:	Acrylic
Tape Carrier:	Acrylic foam
Foam Color:	Grey
Release Liner:	Red PE Film / White Paper Liner
180° Peel Strength (24 Hrs dwell):	3200 g/25mm
<b>Dynamic Shear Strength: (ASTM D1002)</b> To Stainless Steel Room temp. after 24 hours	6500 g/cm <sup>2</sup>
Application Temperature:	15 – 35 Deg C
Service Temperature:	-10 to 90 Deg C
Available Roll Length:	8m, 8.25m & 33m
Standard Log Width:	800 mm



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## Surface Preparation

All surfaces intended for bonding must be sufficiently and thoroughly cleaned and dried prior to application. Abrading prior to bonding is highly recommended. Surfaces must be free from dust, dirt, oil, grease and residues of any forms.

Dirty or contaminated surfaces affect bonding and adhesion strength adversely.

IPA or *IsoPropyl Alcohol* is generally used for general cleaning and *Heptane solvent* may be used to clean oily or greasy surfaces.

**Do Not** use oil based solvents for surface preparation prior to bonding.

## Storage

It is highly recommended to store this product under constant temperature between 25°C - 30°C. This product should not be exposed to high humidity and direct sunlight during storage. Keep unused product away from dust and grease.

## Shelf Life

This product has 24 months shelf life from date of manufacturing.

## Limited warranty statement :

Products are warranted to be free of defects in workmanship and material at time of shipment.

*Vitrochem Technology Pte Ltd* will replace or credit any material we determined to be defective. Before using, user shall determine the suitability of the product for its intended use, and assumes all risk and liability whatsoever in connection therewith.



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