



TECHNICAL DATA SHEET

AFT 3100CF

January 2016

Product Description

Mightyloc AFT 3100CF is a clear 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

- Automotive accessories installation
- Outdoor signage
- Glass ornaments bonding
- In vehicle transponder unit

Specifications

Thickness:	1.00mm
Adhesive:	Acrylic
Tape Carrier:	Acrylic foam
Foam Color:	Clear
Release Liner:	Red PE Film
Temperature Resistance (0°C) – Short Term	160
Temperature Resistance (0°C) – Long Term	100
Tensile Strength (gf/cm ²)	6'500
Peel Adhesion (gf/cm ²)	4'000
Holding Power (Hr)	24
Dynamic Shear Strength: (ASTM D1002) (gf/cm ²) To Stainless Steel before 20 minutes	3'500
Dynamic Shear Strength: (ASTM D1002) (gf/cm ²) To Stainless Steel Room temp. after 24 hours	5'000
Standard Log Length:	33m
Standard Log Width:	800 mm



VITROCHEM TECHNOLOGY

All recommendations for the use of our products, whether given by us in writing, verbally, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility therefor. The Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.



TECHNICAL DATA SHEET

AFT 3100CF

January 2016

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.



VITROCHEM TECHNOLOGY

All recommendations for the use of our products, whether given by us in writing, verbally, or to be implied from the results of tests carried out by us, are based on the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility therefor. The Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.