



Adhesives for Every Industry

www.mightyloc.com



Acrylic Foam Tape

Product Specifications

Product No	Colour	Description	Size	Width	Liner
AFT 1080GF	Grey	Acrylic Foam Tape	0.8mm x 33 Meter	12mm, 19mm & 25mm	Red PE
AFT 1120 GF	Grey	Acrylic Foam Tape	1.2mm x 33 Meter	12mm, 19mm & 25mm	Red PE
AFT 1150 GF	Grey	Acrylic Foam Tape	1.5mm x 33 Meter	12mm, 19mm & 25mm	Red PE
AFT 1200 GF	Grey	Acrylic Foam Tape	2.0mm x 33 Meter	12mm, 19mm & 25mm	Red PE
AFT 2064 WF	White	Acrylic Foam Tape	0.64mm x 33 Meter	12mm, 19mm & 25mm	Red PE
AFT 2120 WF	White	Acrylic Foam Tape	1.2mm x 33 Meter	12mm, 19mm & 25mm	Red PE
AFT 3100 CF	Transparent	Acrylic Foam Tape	1.0mm x 33 Meter	12mm, 19mm & 25mm	Red PE
AFT 4120 BF	Black	Acrylic Foam Tape	1.2mm x 33 Meter	12mm, 19mm & 25mm	Red PE

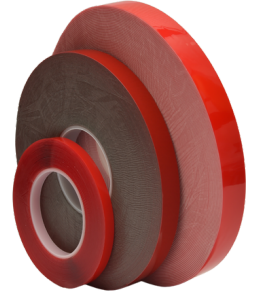


AFT or Acrylic Foam Tape is a specialty acrylic-based adhesive foam tape that is designed to bond most metals, plastics, (except PP, PE, Teflon & Nylon), composites, fiberglass, and glass with excellent adhesion strength. AFT acrylic foam tapes are preferred by general manufacturing companies especially metal fabricators for their high structural strength and easy to apply bonding application.

The adhesion integrity of AFT acrylic foam tapes is exceptional as it can not only provide structural strength to most metal substrates but also can repel water due to its closed-cell foam structure. Good high temperature, and outdoor weather resistance for a longer duration than conventional foam tapes. It is being used to replace mechanical fastener, riveting, and spot welding as it has good vibration and impact resistance function.

Typical Industries usage:

- Lifts & escalators stiffener bonding
- Automotive body car kit bonding.
- Outdoor plastics and metals signage bonding.
- Truck & bus builders body panel bonding.
- General industry and electronic parts bonding.



TAFTLOCK Thread Locking Adhesives

Product Specifications

Product	Colour	Viscosity	Handling Time	Cure Time	Breakaway Torque	Temperature Range	Pack Size
Taftlock 22	Purple	1'000 Cps	20 mins	24 Hours	60 Kgf/cm	-55°C to 150°C	50ML
Taftlock 43	Blue	2,'250 Cps	12 mins	24 Hours	204 Kgf/cm	-55°C to 150°C	50ML
Taftlock 71	Red	500 Cps	10 mins	24 Hours	310 Kgf/cm	-55°C to 150°C	50ML

The breakaway torque value was tested based on a controlled environment. It is suggested that users test it on their own accord to determine the strength and the thread locking adhesives suitability.

Taftlock™ thread locking adhesives are of anaerobic acrylic-based polymer that will only cure in the absence of moisture in its surrounding. It will result in a tough and resilient polymer that will lock and seal any metal screws, fasteners, and rivets that are being applied to any heavy types of machinery, automotive engines, and electronic equipment. Taftlock thread locking adhesives are available in low, medium, and high torque strength that not only prevent screws from dislodging but it has sealing, lubricating effect, with good resistance to engine oils, coolants, and brake fluids.

Applications:

- Automotive engine bolts & nuts.
- Electric motor fasteners.
- Gear pump fasteners.
- Engine & motor compressor screws & bolts.



Methacrylate Adhesive

MIGHTYLOC 9025

Product Specifications

Item	Mightyloc™ 9025A	Mightyloc™ 9025B
Type	Methacrylate Adhesive	Methacrylate Adhesive
Colour	Light Green	Red
Viscosity @ 25°C	3'000 ~ 5'000 Cps	3'000 ~ 5'000 Cps
Specific Gravity	1.16 - 1.18	1.16 - 1.18
Mix Ratio (By Volume)	1	1
Shelf Life @25°C	4 Months	4 Months
Pot Life @25°C (Mixed)	3 Minutes	
Full Cure @25°C (Mixed)	24 Hours	
Service Temperature		
• Continous	-40°C ~100°C	
• Intermittent	-40°C ~150°C	
Overlap Shear Strength (ASTM D1002)	8.5 N/mm ²	



Mightyloc™ 9025AB is a two-component Methyl-Methacrylate (MMA) adhesive specially formulated for a wide variety of metal bonding applications, replacing unsightly mechanical fastening processes like riveting and tack welding, etc. It is ideal for bonding most metals, including mild steel, galvanized metal, stainless steel, aluminum, and magnets as well. The cured adhesive exhibits exceptional high tensile and shear strength. It has excellent impact, vibration, and temperature resistance.

Typical Applications:

- Stiffeners for elevators
- Cladding and facade panels
- Ferrite core for transformers
- Magnets for speaker production
- Fiberglass and composites fixtures
- All metal fixtures requiring long term durability





UV Adhesive

Product Specifications

Product	Colour	Viscosity	Cure Time	UV Intensity	Wave Length	Refractive Index	Pack Size
Krystal 1000	Clear	650 ~ 1'050 Cps	10 ~ 15 Secs	1500 ~ 3000 mj/cm2	365nm	1.4825	50ml & 1 Litre
Krystal 2000	Clear	5'000 ~ 7'500 Cps	10 ~ 15 Secs	1500 ~ 3000 mj/cm2	365nm	1.4748	50ml & 1 Litre
Krystal 3000	Clear	5 ~ 15 Cps	3 ~ 15 Secs	1500 ~ 3000 mj/cm2	365nm	1.4769	50ml & 1 Litre
Krystal 4000	Clear	45 ~ 65 Cps	3 ~ 15 Secs	1500 ~ 3000 mj/cm2	365nm	1.47~1.49	50ml & 1 Litre

Krystal is 1 part UV curable adhesive resin that is formulated for the purpose of clear and fast bonding application. The range of Krystal UV adhesives will cure rapidly when being exposed to correct UV light intensity and wavelength that can bond glass substrates together in a matter of seconds. With water-like clarity, it will give a see-through effect for bonding transparent materials like glass and clear acrylic sheets. It is an ideal adhesive that provides speed curing with good bonding strength between glass, clear acrylic to metals and most plastics. The fast curing speed enables parts to be assembled in seconds and thus improving workflow cycle time.

Applications:

1. Glass table top bonding
2. Clear acrylic signage bonding
3. Windscreen repair
4. Trophies and plaque assembly



Cyanoacrylate Adhesive

Product Specifications

Item	Value
Chemical Name	Ethyl Cyanoacrylate
Appearance	Clear Liquid
Specific Gravity	1.06
Viscosity, Cps	34 ~ 44
Tensile Strength (N/mm ²)	20
Fixture Time, seconds	3 ~ 20
Full Cure, hours	24
Typical Curing Speed, seconds	
- Steel/Steel	<20
- ABS/ABS	<10
- Rubber/Rubber	<5
Shelf Life, months	12
Temperature Range	-50°C ~ 80°C

Ninja 108™ is a new generation of cyanoacrylate adhesive that not only provides instant bonding to most substrates but with a sustainable shelf life of 18 months at 250C storage. Unlike regular superglue, Ninja 108 remains stable and will not harden in a short span of storage condition. This new formulation has the ability to bond metals, plastics, wood, glass, fiberglass, and composites instantly when in contact. It not only provides a quick-fix solution but it has good adhesion properties when fully cured which is desired by both household and industrial users.

Features:

- Long shelf life up to 12 months (@ room temperature).
- Instantaneous bonding.
- High bonding strength.
- Excellent capillary action for flow.

Typical Applications:

- Rubber O rings bonding
- PVC pipe bonding
- Shoes mending
- Picture frame edge bonding
- Metal hook mounting
- Ceramic pieces bonding



5 Minutes Rapid Epoxy

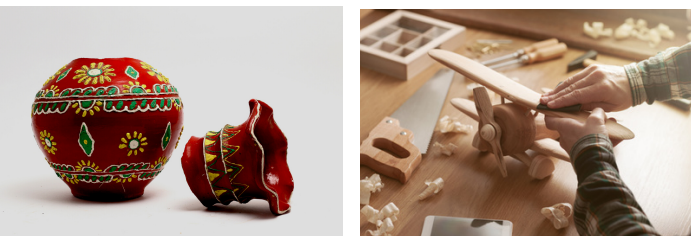
Product Specifications

Item	Epoxy Resin	Hardener
Appearance	Liquid	Liquid
Colour	Clear, Transparent	Clear, Transparent
Viscosity @ 25°C	20 ~ 50 Cps	20 ~ 40 Cps
Specific Gravity	1.16 - 1.18	1.16 - 1.18
Mix Ratio (By Volume)	1	1
Shelf Life @25°C	36 Months	36 Months
Gel Life @25°C (Mixed)	5 Minutes	
Full Cure @25°C (Mixed)	24 Hours	

Taftbond™, 5 minutes epoxy is a rapid cure, crystal clear, multipurpose, two-component, room temperature curing adhesive of high strength and toughness. It is suitable for bonding a wide variety of metals, ceramics, glass, rubbers, rigid plastics, and most other materials in common use. It is a versatile adhesive for the craftsman as well as most industrial applications.

Typical Applications

- DIY household items repair
- Art & craft
- Woodworking assembly
- Chandelier & glassware mending
- Signage letters bonding



TAFTFLEX™ POLYURETHANE ADHESIVE

Product Specifications

Item	Taftflex 6221	Taftflex 6292
Chemical Base	Polyurethane	Polyurethane
Colour	Black, White, Grey	Black, White, Grey
Cure Mechanism	Moisture	Moisture
Density, g/cm ³	1.48	1.43
Non-Sag Property	Good	Good
Tack Free (Touch to dry), minutes	55	90
Application Temperature °C	5~35	5~35
Temperature Resistance, °C	-40 ~ +90	-40 ~ +90
Curing Speed @23°C, 50% RH	≥3.5mm/24 hrs	≥4mm/24 hrs
Shore A Hardness	40	45
Elongation at break, %	1100	1000
Curing Depth · 24 Hours, mm	3.5	3
· 7 Days, mm	6.5	7
Tensile Strength, 7 Days, Mpa	2.4	0.5
Tear Strength, N/mm	10	0.5



Taftflex™ is a one-component, moisture-curable, polyurethane-based, elastomeric adhesive sealant. It provides excellent sealing and bonding purposes due to its high strength and elongation performance which is suitable for industrial, automotive windscreen, bus & truck assembly, construction, and marine applications. After curing, it provides a permanently elastic bond to fasten materials with different coefficients of expansion.

Features:

- Bonds to most materials.
- Low odor and non-staining.
- Can be painted over.
- Non-corrosive.
- Good weather resistance

Typical Applications:

- Vehicle panels bonding.
- Car body kits bonding.
- Metal stiffeners bonding for escalators.
- Waterproofing rivet seams.
- Construction gap sealing.

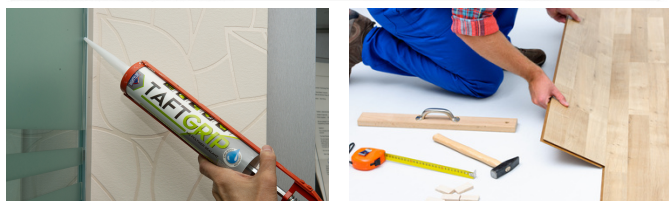


TAFTGRIP™ MS POLYMER SEALANT

SILYL MODIFIED (MS) POLYMER SEALANT

Product Specifications

Item	Value
Chemical Base	Silyl Modified Polymer
Colour	Black, White, Grey
Cure Mechanism	Moisture
Density	1.15 ± 0.05 kg/l
Non-Sag Property	Good
Application Temperature	5°C ~ 35°C
Curing Speed @23°C, 50% RH	≥3.5mm/24 hrs
Shore A Hardness	45
Tack Free Time @23°C, 50% RH	25 minutes
Elongation at Break	300%
Service Temperature (Consistent)	-45°C ~ 90°C



TaftGrip™ is a single component, non-corrosive, odorless, medium viscous, and low modulus/sealant adhesive based on Silane Modified polymer free of solvents, isocyanates, silicones, and PVC. The product cures on exposure to atmospheric humidity to form a durable elastomer and resists aging, weathering, and thermal cycling without hardening, shrinking, or cracking. It has good adhesion to a wide variety of substrates without primer and is compatible with suitable paint systems. Typically designed for interior and exterior applications and demonstrates good UV resistance.

Typical Applications:

- Bus construction,
- Metal Industry,
- Signage,
- Building & construction,
- Automotive window glass glazing,
- Railway carriage.
- Ship and boat building.
- Air-condition and ventilation industries.



TAFTSPRAY™

SPRAY ADHESIVE 78

Product Specifications

Item	Value
Solids Content (By Weight)	Approximately 25%
Base	Synthetic Elastomers
Net Weight (Approximately)	465 Grams
Spray Pattern	Low Mist, Fine Particle Spray
Bonding Range (1 Surface)	10 Seconds ~ 15 Minutes
Bonding Range (2 Surface)	10 Seconds ~ 30 Minutes
High Bonding Strength	Spray both surfaces and allow 30 minutes drying time before lamination
Coverage 10.8 g/m ² , m ² per Kg	23
% Volatile Organic Components(VOC)	52%



Taftspray Spray Adhesive 78, a synthetic-based elastomer that provides a wider coverage of use when being sprayed onto any lightweight materials for bonding application. It is formulated to provide a controlled spray pattern and lower misting to a targeted area of bonding. It can be sprayed onto single or double-sided materials as it will dry clear, will not bleed through, and wrinkle on paper. This spray adhesive is well suited for art & craft, leather mending, furniture making, automotive interior assembly, signage industry, and many related lightweight materials bonding purposes.

Features:

- Higher coverage.
- Single or double side spraying.
- Fast dry and quick tack-free time.
- Bonds exceptionally well to most lightweight materials.

Typical Applications:

- Art & Craft.
- Mending and manufacturing of leather & suede goods.
- Polyurethane foam bonding for furniture.
- Interior of automotive headlining assembly.
- Lightweight letterings bonding.



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