METHACRYLATE · CODE 9025

MightyLoc 9025

Methyl Methacrylate Adhesive

REVIEWED June 2026

PRODUCT DESCRIPTION

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, aluminium and magnets as well. The cured adhesive exhibits exceptional high tensile and shear strength. It also has excellent impact, vibration and temperature resistance.

FEATURES

- Excellent weather durability
- High impact resistance
- Low cost
- Fast setting
- High tensile and shear strength
- (PSB tested ASTM D1002)
- Easy to use
- ROHS compliant
- Consistent high quality and reliability

TYPICAL USE

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

PHYSICAL PROPERTIES (UN-MIXED)

	PART A	PART B
Color:	Green	Red
Viscosity @ 25°C:	3000-5000 cps	3000-5000 cps
Specific Gravity:	1.16-1.18	1.16-1.18
Mix ratio (weight)	Part A 100	Part B 100
Mix ratio (Volume):	Part A 1	Part B 1
Shelf life @ 25°C (Without catalyst)	4 months	4 months

Shelf life: the source data sheet states 6 months and the MightyLoc 9025 brochure 4 months at 25°C. The more conservative figure is shown, as on the product page.

PHYSICAL PROPERTIES (MIXED)

Pot life @ 25°C	Approx. 3 mins
Set to touch:	Approx. 15 mins
Full cure:	24 hours
Shear strength:	86kg/cm²
Service temperature	-40 to 100 °C continuous, 150 °C intermittent

Service temperature from the MightyLoc 9025 brochure, as on the product page; the source data sheet states none.

Pot life: the source data sheet states approx. 5 to 8 minutes and the MightyLoc 9025 brochures 3 minutes at 25°C. The shorter figure is shown: join and clamp within 3 minutes of mixing, as on the product page.

APPLICATION METHOD

- All surfaces intended for bonding must be abraded and cleaned thoroughly using Iso Propyl Alcohol (IPA) or Acetone prior to bonding.
- . DO NOT use oil-based cleaners like turpentine and paint thinners.
- Ensure surfaces are free of dust, dirt & grease before bonding.
- Apply equal amount of both Part A & B directly onto the area to be bonded. Mix them evenly and clamp parts in position immediately. **Uneven mix ratio may interfere with proper curing.
- For best result, allow bonded parts to set under clamped pressure for 15 minutes and above.

STORAGE CONDITIONS

- Store original container in a cool and dry area (15-25ºC), away from direct sunlight. Storing this product otherwise may reduce shelf life and affects physical properties adversely.
- DO NOT transfer un-used product back to original container.
- DO NOT expose product within close proximity of open flame!

AVAILABLE PACKAGING SIZES

- 200gm set (Part A 100gm + Part B 100gm)
- 2kg set (Part A 1kg + Part B 1kg)
- 5kg set (Part A 2.5kg + Part B 2.5kg)

HANDLING PRECAUTIONS

- Refer to Safety Data Sheet (SDS) before using this product.
- Always wear personal safety gears when handling this product. (Impervious gloves, eyes protection goggles, respiratory mask.)

COMPLIANCE AND QUALITY

RoHS statements and Safety Data Sheets for this product are available on request. Contact the MightyLoc team and we will send the current documents.

Vitrochem Technology Pte Ltd

1, Bukit Batok Crescent, #05-40 WCEGA Plaza, Singapore 658064 · +65 6766 7191 · +65 6766 7187 · www.mightyloc.com

Data last reviewed **June 2026**.

All recommendations for the use of our products are based on the current state of our knowledge. The Buyer remains responsible for satisfying itself that the product is suitable for its intended process or purpose. Since we cannot control the application, use, or processing of the product, we accept no responsibility on that basis. Refer to the current controlled data sheet, or contact us, before production use.