



ISO-9001-2008 Certified

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TECHNICAL BULLETIN

SetWORX U-47MP 2 Component, Urethane Adhesive & Encapsulating Material

SetWORX U-47MP is a two component, urethane adhesive & encapsulating material which cures to a resilient polyurethane polymer. It finds use as an adhesive, potting and encapsulating material.

U-47MP provides a sag resistant bead when dispensed and delivers excellent adhesion to many materials including metals, glass and engineering plastics.

Characteristics:

- Room Temperature Cure
- Excellent adhesive properties with high bond strength
- Bonds plastics, metal and glass
- Durable and resilient cured polymer

TYPICAL HANDLING PROPERTIES:

Mix ratio by volume, (Polyol/Isocyanate)	2/1
Mixed Viscosity, 25°C, cp	12,000-15,000
Pot Life at 25°C (100 grams), minutes	60

Recommended Cure	24-48hrs @ RT
Alternate Cure	2hrs @65°C

TYPICAL CURED PROPERTIES:

Color	Amber
Specific Gravity	1.16
Hardness, Shore D	68
Lap Shear Strength, Aluminum, psi	2700
Service Temperature range, °C	-55 to 120
Glass Transition Temperature, °C	15

INSTRUCTIONS FOR USE:

1. Clean the substrate using alcohol prior to applying the adhesive. Metals may be lightly abraded and then wiped with alcohol.
2. Dispense the adhesive through a static mixing nozzle onto the substrate.
3. Purge the nozzle between adhesive applications if more than a few minutes has passed.
4. Clamp or secure the substrates until cured.
5. Cure at Ambient for 24 to 48 hrs or at 65C for 2 hrs.

AVAILABILITY:

Side x Side Cartridges: 50, 200 & 400ml. Bulk packaging is also available for Meter Mix and Dispense

FOR INDUSTRIAL USE ONLY:

Practices of good housekeeping, safety and cleanliness should be followed before, during and after use.

WARNING!

Adequate ventilation of work place and ovens is essential. Refer to Material Safety Data Sheet (MSDS) for additional health and safety information.

SHELF LIFE:

One year when stored in unopened containers at an average temperature of 25°C. Note: The resin is light sensitive and should be stored away from light.

DISCLAIMER: All data given here is offered as a guide to the use of these materials and not as a guarantee of their performance. The user should evaluate their suitability for own purposes. Properties are typical and should not be used in preparing specifications. Statements are not to be construed as recommendations to infringe any patent