



ISO 9001-2015 Certified

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TECHNICAL BULLETIN

UB-907FL

HIGH STRENGTH URETHANE ADHESIVE

UB-907FL is a two-component, industrial grade polyurethane adhesive system. Once cured, it forms a highly flexible bond line which provides peel and shear strength. It is ideal for bonding a variety of metals, as well as plastics, glass, wood, and more. Can also be used for potting and encapsulating strain and heat sensitive electronic components.

TYPICAL HANDLING PROPERTIES:

Polyol	Part B
Isocyanate	Part A
Mix ratio by weight (A/B)	100/200
Mix ratio by volume (A/B)	1.2
Mixed viscosity at 25°C, cps	30,000-60,000

Gel Time at 25°C (1/8" bead), min	4-6
Tack Free Time 25°C min	160-180
Shelf Life, months	6

Recommended cure 24-48 hrs @ 25°C

TYPICAL CURED PROPERTIES:

Color	Blue
Specific Gravity	1.16
Hardness, Shore D	45
Lap Shear Strength (cured 5 days at 25°C)	
Aluminum (abraded)	2100
Aluminum (anodized)	750
Stainless Steel	1000
Polycarbonate	1900

Tensile Strength, psi	1300
T-Peel Strength, pli	14
Tensile Elongation, %	75
Water Absorption, %	
7 days immersion at RT	0.14
7 days immersion at 100°C	0.98
Glass Transition Temperature, °C	15
Dielectric Strength, Volts/mil	400

INSTRUCTIONS FOR USE:

To use simply insert the cartridge into the application gun and start the plunger into the cylinders using light pressure on the trigger. Next, remove the cartridge cap and expel a small amount of adhesive to be sure both sides are flowing evenly and freely. If automatic mixing of resin and hardener is desired, attach the mixing nozzle to the end of the cartridge and begin dispensing the adhesive. For hand mixing, expel the desired amount of the adhesive and mix thoroughly. Mix approximately 15 seconds after uniform color is obtained.

AVAILABILITY:

Dual Cartridges: 50ml, 200ml, 400ml

FOR INDUSTRIAL USE ONLY:

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 28°C (46°F to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container. For further specific shelf life information, contact your local Technical Service Center.

WARNING!

Adequate ventilation of workplace and ovens is essential. Refer to Safety Data Sheet (SDS) for additional health and safety information.

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.