

tech sheet

Super-Weld RC-80 Retaining Compound

DESCRIPTION

RC-80 Retaining Compound is a single component very high viscosity, high strength anaerobic resin used for bonding rigid assemblies of all types. It also can be used effectively to increase the strength of most mechanical assemblies.

APPLICATIONS

RC-80 locks keys and splines. Eliminates backlash in worm assemblies. Locks bearing in place, preventing spin out. Bonds rotor to shafts in fractional and sub fractional horsepower motors. Locks bushing and sleeves in housings and on shafts. Augments press fits. Restores the fit to worn assemblies or out of tolerance parts. This high viscosity product is not recommended for extremely close or interference fits. For large gaps, use of an RiteLok primer to ensure a fast, full cure is advisable.

USEFUL HINTS/NOTES

Cure speed can be increased by treating the parts with Primer T(AC47) or N(AC64). Heat may be required for disassembly. Full cure speed is effected by many factors including: Substrate, Finish, Prep, Gap and Temperature. Consult ARGCO your technical department for specific help.

PROPERTIES

Fast Fixture, usually under 10 minutes
Typical Strength: 3,000-4,600 psi

CURED PERFORMANCE

Full Cure Time: 24 hours @ 68°F
Shear Strength: 2,800-4,600 psi

INSTRUCTIONS FOR USE

Ensure parts are clean, dry and free from oil and grease.

PRESENTATION

Bottles: 10ml, 50ml , 250ml & 1ltr

PROCEDURE FOR APPLICATION

Product is normally hand applied from the bottle.

HEALTH & SAFETY IN USE

IRRITANT: Contains Methacrylate Esters and some products contain small amounts of Acrylic Acid. Irritates the eyes, the respiratory organs and the skin. In case of contact with the skin, wash immediately with plenty of water.

COMPATIBLE ACCELERATORS/PRIMER

Primer T, or Primer N can be used. However up to 30% strength loss can occur when using primers.

STORAGE

Store in a cool area out of direct sunlight. Shelf Life>
12 month @ 68°F

REVISED 11/14/03
TDS RT80

TECHNICAL FEATURES

Resin: Dimethacrylate
Color: Green
Fixture with Activator: <5 minutes
Fixture without Activator: 5-15 min
Viscosity : 1,300-2,000 cps
Gap Fill: 0.015"
Flash Point: >200°F
Shelf Life: 12 months @ 68°F
Specific Gravity: 1.1 @ 75°F
Max. Operating Temperature: -65°F to + 300°F

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