

Super-Weld TL-90 Threadlocker

DESCRIPTION

Super-Weld TL90 Wicking Adhesive And Sealant is a fast cure anaerobic securing compound which is very low in viscosity, thus enabling the wicking action to search into the voids in assembled components and cure anaerobically in the absence of air on close fitting metal parts.

APPLICATIONS

Wicking Adhesive Sealant prevents loosening of metal threaded fasteners and secures close fitting cylindrical parts, sealing the parts from leakage.

USEFUL HINTS/NOTES

Wicking Adhesive Sealant can also be used as a weld or porosity sealant and seeks out casting irregularities (hairline cracks). A unique capillary action allows the sealant to penetrate the smallest pores or cracks to provide a positive seal. The product can also fluoresce under UV lamps for inspection purposes.

PROPERTIES

A Fast Setting Anaerobic which wicks (by capillary action) into already assembled parts, searching into the voids to set into a strong insoluble polymer.

INSTRUCTIONS FOR USE

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

PROCEDURE FOR APPLICATION

Product is normally hand applied from the bottle directly onto threaded parts, for weld porosity or hairline cracks in casting products, it is brushed directly onto the parts

COMPATIBLE ACCELERATORS/PRIMER

Low temperature, larger gaps or passive substrates may require the use of Primer N or T. Using a primer to increase cure speeds impedes the products ability to wick and seal. While it can be used on threadlocking applications it is not recommended for sealing porosity or hairline cracks. The application of heat can accelerate cure speeds.

STORAGE

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

PRESENTATION

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

Military Grade (Mil-46163A) Type III Grade R

TECHNICAL FEATURES

Resin: Dimethacrylate
Color: Green
Cure Speed with Activator: Not Recommended
Cure Speed without Activator: . . . 5 minutes
Viscosity: 10-30 cps
Gap Fill:004"
Flash Point: >212°F
Shelf Life: 12 months @ 68°F
Specific Gravity: 1.05-1.07
Max. Operating Temperature: -65°F to + 400°F

CURED PERFORMANCE

Full Cure Time: 24 hours @ 68°F
Typical Breakaway Strength 70-150 lbs"
Typical Prevailing Strength 25-60 lbs"

HEALTH & SAFETY IN USE

IRRITANT: Contains Methacrylate. Irritates the eyes, the respiratory organs and the skin. In case of contact with the skin, wash immediately with plenty of water.

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TDS TL90

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