

SYSTEMTHREE

System Three Resins, Inc.
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TECHNICAL DATA SHEET

MetiWeld™ Structural Adhesive

DESCRIPTION:

MetiWeld™ is a toughened, two-part room-temperature curing epoxy adhesive. It is designed to bond well to steel and aluminum. MetiWeld™ develops strength earlier than most comparable 1:1 epoxy adhesives and will cure at temperatures down to 50° F.

APPLICATIONS:

MetiWeld will bond metals to metal, wood, stone, concrete, or even glass.

SURFACE PREPARATION:

Surfaces to be bonded should be freshly sanded and clean of grease, wax, oil and other contaminants. Allow 48 hours minimum to cure and develop strength at 77°F (longer at cooler temperatures) before subjecting to stress.

RESIN PROPERTIES:

Appearance Viscous, thixotropic liquid
Color Light Gray
Density(lb/gal) 12.17

HARDENER PROPERTIES:

Appearance Viscous, thixotropic liquid
Color Dark Gray
Density(lb/gal) 10.64

MIXED SYSTEM PROPERTIES:

Mix ratio by weight resin/hardener 100/91
Mix ratio by volume resin/hardener 100/100
Working time @ 25° C 30 minutes
Tack-free time @ 25° C 4 hours
Density Mixed(lb/gal) 11.40
Lap Shear Strength, Al-Al, psi 2,150
Lap Shear Strength, Cold-Rolled Steel 2,240
Lap Shear Strength, Galvanized Steel 1,820
T-Peel Strength, PLI 28

Sizes available:

Bottle kits: ½-pint, pint, quart, ½-gallon, gallon, 2-gallon, ten-gallon, 2-drum
Dual cartridges: 50 ml, 220 ml, 400 ml

For health and safety information concerning this product, please refer to the MSDS sheets for MetiWeld Adhesive. MSDS sheets are available on our website at www.systemthree.com.

The information contained herein is based on the data available to us and is believed to be correct. However, System Three Resins, Inc. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. System Three assumes no responsibility for injury from the use of the product described herein.

PREMIUM COATINGS, ADHESIVES, AND COMPOUNDED RESIN SYSTEMS