EPOXIES
INNOVATIVE BONDING SOLUTIONS ETC.

TECHNICAL BULLETIN

10-3011
5 Minute Setting Epoxy

DESCRIPTION:
10-3011 is a two component fast curing epoxy adhesive. This system provides a rapid cure in thin films and at low temperatures.

FEATURES:
- High Bond Strength
- 1:1 Mix Ratio
- Water & Chemical Resistant
- Impact Resistant
- Good Dielectric Strength
- 5-10 Minute Fixture Time

TYPICAL SPECIFICATIONS:
PHYSICAL

Color	Clear
Mix Ratio by volume	1:1
Working time, 25°C	3-5 minutes
Solids Content, %	100
Mixed viscosity, 25°C, cps	10,000
Shore D Hardness	75
Tensile lap shear, psi	2,900
Dielectric constant, 1Khz @ 25°C	3.5
Dissipation factor, 1Khz @ 25°C	.017
Volume Resistivity, ohm-cm @ 25°C	2.0 x 1014
Water absorption, weight % gain	
1 Day @ 24°C	0.4

CHEMICAL RESISTANCE:	**30 Day Immersion @ 24°C**
Kerosene: VG	Methanol: F
Hydrochloric Acid: VG	Toluene: VG
Chlorinated Solvent: F	Ammonia: VG
10% Sulphuric Acid: VG	10% Sodium Hydroxide: VG

*VG: Very Good, F: Fair

Epoxies are very good in water, saturated salt solution, leaded gasoline, mineral spirits, ASTM #3 oil and propylene glycol. Epoxies are generally not recommended for long term exposure to concentrated acids and organic solvents.

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INSTRUCTIONS FOR USE:

1. Thoroughly mix equal parts of resin to catalyst by weight or volume.
2 Apply to surface(s) to be bonded and allow to cure at room temperature or accelerate with mild heat.

PREPARATION OF SURFACES:

Surfaces to be bonded must be clean and grease free. Adhesion can be substantially increased by abrading the surface with emery cloth, sand paper, etc... A roughened porous surface will produce the best results. Any oxidized metal films should be removed just prior to application of the adhesives.

AVAILABILITY:

Available in 50 ML, 200 ML and 400 ML dual barrel dispensing syringes, quarts, gallons, 5 gallon pails, and drums.

IMPORTANT:

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