

10-3509

Fast Setting Repair Epoxy

DESCRIPTION:

10-3509 is a fast setting, Kevlar™ reinforced, adhesive and repair epoxy system. This adhesive sets rapidly in thin films, even under adverse, humid conditions.

The 10-3509 is a good choice for many bonding applications, pipe repairs, concrete repairs, and chemically resistant coatings.

FEATURES:

- *Fast thin film time
- *Good chemical resistance
- *DOT non-corrosive

TYPICAL SPECIFICATIONS:

Color		
Resin		Grey
Catalyst		Amber
Viscosity, 25° C, cps		
Resin		Paste
Catalyst		4,000
Specific gravity, 25°C,		
Resin		1.56
Catalyst		1.1
Mix ratio, by weight (resin:catalyst)		100:13
Thin film set time, 25°C		1.5 hours
Gel time, 100 grams, 25°C		15 minutes
Flexural strength, psi		16,700
Flexural modulus, psi		377
Tensile strength, psi		9,400
Tensile modulus, psi		493
Elongation, %		2.5
Operating temperature range,	°C	-30 to +130

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CHEMICAL RESISTANCE:

Gasahol	Excellent
Sydrol	Excellent
Distilled water	Excellent
Inorganic acids	Excellent
Alkalies	Excellent
Dilute Acetic Acid	Excellent

MIXING INSTRUCTIONS:

1. Surfaces must be clean and grease free. Use an oil free solvent such as acetone to wipe surfaces. Adhesion can be substantially increased by abrading the surfaces to be bonded with emery cloth, sand paper, carbide grinding tools, sand blasting, etc... A roughened, porous surface will produce the best results. Any oxidized metal films should be removed just prior to application of the epoxy adhesive mixture.
2. Thoroughly mix by weight 100 parts 10-3509R Epoxy to 13 parts Catalyst.
3. Apply mixed product within five to ten minutes.

STORAGE, HANDLING, AND AVAILABILITY:

Store in a cool, dry place in original containers. Expected shelf life is one year in original unopened containers.

10-3509 is available in quart, gallon and 5 gallon containers. Special packaging is available upon request.

Please read the Material Safety Data Sheet (MSDS) before using this or any other chemicals.

IMPORTANT:

The information in this brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. This information is furnished upon the condition that the person receiving it shall make his own tests to determine the suitability thereof for his particular purpose.

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