

# Super Flex™ Epoxy TECHNICAL DATA

## SOLVENT-FREE EPOXY COATING

**Solvent-Free**  
**Easy 2:1 Mixing Ratio**  
**Contains no carcinogens**  
**Flexible**

<p><b>STANDARD PRODUCT DESCRIPTION</b></p>	<p>Super Flex™ is a 100% solids, modified epoxy coating system that is recommended for applications where increased elongation and toughness are required.</p>
<p><b>FEATURES</b></p>	<p>Convenient 2 to 1 ratio by volume (base/cure)          Low odor and no fumes</p>
<p><b>VISCOSITY</b></p>	<p>Part A: 500 - 1000 cp          Part B: 100 - 300 cp          Mixed: 200 - 400 cp</p>
<p><b>PHYSICAL PROPERTIES</b></p>	<p>COLOR ..... Slightly amber          COMPRESSIVE STRENGTH ..... ASTM D695      5,000 psi          TENSILE STRENGTH ..... ASTM D638      3,500 psi          ABRASION RESISTANCE          CS-17 WHEEL, 1 kg LOAD ..... ASTM D4060      0.21 gm loss          WATER ABSORPTION ..... ASTM D570      &lt;1 %          (2 hour boil)          FLEXURAL STRENGTH ..... ASTM D790      5,000 psi          SHORE D HARDNESS ..... ASTM D2240      55          HEAT DISTORTION ..... ASTM D649      75-85° F          TEMPERATURE</p>

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<b>CURE SCHEDULE</b>	POT LIFE @ 60°F ..... approx. 30 minutes (6 oz.); larger amounts will have shorter pot life FULL CURE ..... 3-5 days RECOAT ..... 6 + hours
<b>SURFACE PREPARATION</b>	Surface to be topcoated must be clean and free of oils, grease and loose contamination.
<b>APPLICATION</b>	Mix Super Flex epoxy base with the Super Flex curing agent. Use a mechanical mixer if possible to ensure thorough mixing. The mixing ratio is 2/1 (base/curing agent) by volume. Super Flex does not require a 'sweat-in' or induction time and the mixed components should be used immediately.  Potlife is approximately 30 minutes at 60°F (6 oz.), so mix only the amount of epoxy that can be easily applied within that time limit. Larger batches will result in a shorter pot life. Apply using a brush, roller, or squeegee.
<b>NOTES</b>	Unless top-coated with a UV absorber, this epoxy will yellow in sunlight. Part A may crystallize over time. Warm gently to restore. Can be thickened with standard epoxy thickening agent. Developing a strong bond/adhesion to surfaces require 36-48 hours curing time..
<b>TEMPERATURE</b>	Temperature will exert a considerable influence on the rate of curing of chemically cured coatings such as Super Flex Epoxy. In broad terms expect each 10°C, (18°F), rise or fall in temperature to half or double dry times and pot lives.
<b>TRANSPORT</b>	Epoxy base - Nonregulated by USDOT, IATA & IMO. Curing agent - USDOT, IATA & IMO "Regulated". Class 8, Packing group III, UN 2735, Corrosive. Curing agent quantities of under 4 liters is ORM-D exempt for ground shipment..

**SAFETY:** This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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