

901

EPOXY SURFACE SEAL

GENERAL DESCRIPTION

Emecole Metro 901 is a slow curing, high modulus epoxy gel designed for the surface sealing of cracks prior to injection. Injection may begin in approximately 1 hour after application. Emecole Metro 901 can be used to reinforce cracks in walls requiring repair with our Carbon Fiber Straps. Since vertical foundation movement can damage Carbon Fiber straps, we recommend the use of Emecole Metro 901 to fill horizontal cracks in both block and poured foundations to prevent vertical movement. 901 can be used to anchor dowel and tie bars into concrete pavement and It can also be used for bonding miscellaneous materials to concrete (cure time varies with ambient temperature).

USES

- A) Surface sealing
- B) Setting parking bumpers
- C) Anchoring dowel and tie bars into concrete pavement

AREAS OF APPLICATION

As with any epoxy adhesive, surface preparation is critical. Concrete surfaces should be cleaned by sandblasting, water blasting or other mechanical means. All loose or unsound material must be removed. If patching, the outer perimeter of the spall should be saw cut or chipped to near vertical. Surfaces should be dry and dust free to insure a superior bond.

Emecole Metro 901 Surface Seal will cure in the presence of moisture although application onto wet surfaces is not recommended.

CLEAN UP

Use M.E.K. Xylene, or any other solvent. Clean equipment immediately after use.

SAFETY PRECAUTIONS

This product can cause skin irritation. Always wear protective clothing. Wash contaminated area with soap and water, never solvent. In case of eye contact, flush with water for 15 minutes; immediately see a physician.

TECHNICAL DATA

<u>PROPERTIES</u>	<u>PART A</u>	<u>PART B</u>	<u>MIXED</u>
Solids by Volume	100%	100%	_____
Color	White	Black	Grey
Shelf Life	2 year	2 year	_____
Weight by Gallon	9.9 - 10.1 lbs	9.9 - 10.1 lbs	9.9 - 10.1 lbs
Mix Ratio (Vol)	_____	_____	1:1
Pot Life: (3 oz)	_____	_____	10-15 minutes
Gel Time (5 mil)	_____	_____	Aprox. 1 hour
Final Cure	_____	_____	1-3 days
Viscosity	_____	_____	Non sag gel
Hardness (Shore)	_____	_____	80-D
Ultimate Pull Out Strength (Concrete Failure)	_____	_____	18,000 lbs

PHYSICAL PROPERTIES

Tensile Strength,	ASTM D-638	6,000 psi
Tensile Elongation	ASTM D-638	3-4%
Compressive Strength	ASTM D-695	13,500 psi
Bond Strength	ASTM C-321	2,400 psi
Flexural Strength	ASTM D-790	8,000 psi
Deflection temp	ASTM D-648	190°F

WARRANTY

Recommendations concerning the performance or use of this product are based upon independent test reports believed to be reliable. If the product is proven to be defective, at the option of the Manufacturer, it will be either replaced or the purchase price refunded. The Manufacturer will not be liable in excess of the purchase price. The user will be responsible for deciding if the product is suitable for his application and will assume all risk associated with the use of the product. This warranty is in lieu of any other warranty expressed or implied, including but not limited to an implied warranty of merchantability or an implied warranty of fitness for a particular use.