

95

HIGH PRESSURE INJECTION POLYURETHANE

GENERAL DESCRIPTION:

Emecole Metro 95 is a hydrophobic one-component, VOC compliant polyurethane resin designed to repair leaking joints and cracks in concrete. It does NOT require an additional catalyst to react and foam, ***eliminating potential for human error***. The cured hydrophobic material exhibits the elasticity and durability to stop leaks permanently. After reacting to minimal amounts of water, the resulting form will maintain its physical form and not be subject to shrinkage.

Emecole Metro 95 expands up to 25 times its initial volume and cures to tough, adhering foam capable of withstanding thermal cycles and crack movement.

TYPICAL APPLICATION:

- Residential basements
- Water related facilities
- Waste treatment plants
- Storm water systems
- Underground vaults
- Manhole facilities
- Tunnels
- Earthen Dams
- Elevator Pits
- Concrete dams
- Parking Garages

ADVANTAGES:

- 100% solids.
- Expands up to 25 times initial volume
- Pumps as a single component
- Controllable reaction times
- Excellent resistance and durability
- Outstanding adhesion
- Non-hazardous shipping
- Non-flammable
- Cures inert, non-toxic, permanent seal

USE OF CATALYST (OPTIONAL)

Upon encountering water, the expansion times as supplied are 60 seconds for the start of expansion and about 7 minutes for full expansion. The reaction times can be adjusted prior to pumping with the addition of a catalyst (if preferred by the applicator) into the base resin. With the addition of 2.5% catalyst (1 pint per five gallons of base resin) the initiation time is about 25 second and completion is about 3 minutes. These reaction times were determined at 77° F with the addition of 2.5% water. Emecole Metro 95 does not require a catalyst.

TYPICAL INFORMATION:

Physical Properties – Liquid			
	Emecole Metro 95	Catalyst (<i>Optional Use</i>)	Test Method
Viscosity	300 cps	25cps	ASTM D-1638
Specific Gravity	1.10	0.95	ASTM D-1475
Color	Light amber	Clear	
Flash Point	> 250 °F	225 °F	ASTM D-92

----- Solid Cured -----			
Density	5 lbs/ft ³		ASTM D-1622
Elongation	140%		ASTM D-638
Tensile Strength	25 psi		ASTM D-638
Toxicity	Non-toxic		

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.