

455

BONDING ADHESIVE & SURFACE SEAL

GENERAL DESCRIPTION

Emecole Metro 455 adhesive is used for bonding, sealing, and repairing a wide range of properly prepared substrates including difficult-to-adhere-to plastics, metals and concrete. This high strength, two-part, room temperature curing adhesive system is resistant when exposed to elevated temperatures, moisture, fuels, and most solvents and chemicals. Emecole Metro 455 is recommended for use as a concrete crack surface sealer and is especially suited for shorter cracks. The speed of cure minimizes wasted applicator down time prior to injection. The adhesive has outstanding cured strength. It can also be used as a blow hole repair material and fast setting surface port adhesive. Low odor - specially formulated for odor sensitive environments. *It is not recommended when removal is required.*

PROPERTIES

	<u>PREPOLYMER</u>	<u>CURATIVE</u>	<u>MIXED</u>
Parts by Volume	100 %	100 %	-----
Color	White	Green/Gray	Grey
Shelf Life	1 year	1 year	-----
Mix Ratio (by weight)	1.08	1.0	1:1
Consistency	-----	-----	Smooth-paste adhesive
Pot Life: (3 oz)	-----	-----	2-4 minutes
Gel Time (5 mil)	-----	-----	5-10 minutes
Viscosity	15,000	20-40,000	-----
Hardness (Shore)	-----	-----	69

PHYSICAL PROPERTIES

Tensile, MPa@ 23 degrees cent.	25.5
Tensile Elongation	75 %
Youngs Modulus, MPa	517
Poisson Ratio	40
Glass Transition temp. centigrade	-35
Density, g/cc	1.28
Water Absorption, %	less than 1.5
Shore Hardness, D	69
Shrinkage (%)	negligible
Ratio by volume	1:1

PACKAGING

Dual Cartridges, 5.5 oz Daul Cartridges and 0.5 oz Syringes

CLEAN UP

In general, should be a moisture-free solvent. Most effective is methylene chloride, followed by MIBK. If above is not acceptable, use less efficient solvents such as mineral spirits or DOP.

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.