

# 102

## POLYURETHANE INJECTION FOAM

### GENERAL DESCRIPTION:

Emecole Metro 102 is a hydrophobic polyurethane liquid designed to stop water infiltration or exfiltration. When Emecole Metro 102 meets water, it reacts with it and then repels any excess water forming a closed cell foam barrier which will not allow water to pass through it. It adheres tenaciously to practically all substrates, wet or dry.

Emecole Metro 102 is typically used to stop water leaks in concrete pools or ponds. It is also used to stop water/moisture coming through cracked or honeycombed concrete, voids between wall and floor, wall and ceilings, expansion joints, cold joints and pipe intrusions. It is used to repair concrete walls, ceilings and floors that are leaking. It is used in tunnel, manhole, sewer line, concrete dam and parking deck repairs.

Emecole Metro 102 is designed to be used when greater than 20% movement (expansion and contraction) of the substrate is anticipated or where epoxy is not considered as necessary.

<u>TEST TYPE</u>	<u>RESULTS</u>	<u>TEST METHOD</u>
Density (core)	Free Rise 2.02 LBS/FT	ASTM D-1622
Low Temperature		ASTM D-2126
Aging (-20f) (shrinkage)	<4%	1 DAY
(shrinkage)	<4%	7 DAYS
Water Absorption (volumn confined)	<1%	ASTM D-2127
Shear Strength	34 PSI	ASTM C-273
Tensile Strength	150 PSI	ASTM D-1623
Elongation	275%	ASTM D-1623
Viscosity	100-200 CPS	
% Solid	100	
Color	AMBER	
TDI Content	0%	

### PACKAGE:

Emecole Metro 102 is furnished in various packages. Most typically are 21+ ounces dual cartridges or in 5-gallon pails. The use of cartridges is suitable for low-pressure injection with manual tools, or up to 250 psi dispensing, utilizing pneumatic dispensing tools.

## **QUANTITY TO USE**

It is difficult to determine the amount of material to adequately seal a given crack. Experience in home foundation cracks (8' long with a wall thickness of 8-10") suggest the usage of 10-21 ounces of Emecole Metro 102 per 8' crack (versus an average of 30-50 ounces of epoxy). Thus, while Emecole Metro 102 can theoretically foam to 20 times its volume, more typical is 6-10 times its unfoamed volume for small cracks (1/32" - 1/4") as often found in foundation cracks.

## **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.