

3M Scotchkote™ EG 513 Epoxy Ceramic Rebuild

Category : Polymer , Thermoset , Epoxy

Material Notes:

Scotchkote Epoxy Ceramic Repair EG 513 has been specifically developed as a ceramic filled repair system for rebuilding and repairing equipment requiring good mechanical strength, combined with abrasion and erosion resistance

Product Features: Designed for application by trowel or spatula
Designed for use to repair cracked pump housings, worn impellers, propellers, guide vanes, valves, and tube sheets
Excellent adhesion to correctly prepared metal surfaces
Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotchkote-EG-513-Epoxy-Ceramic-Rebuild.php

Physical Properties	Metric	English	Comments
Solids Content	100 %	100 %	
Thickness	<= 305 microns	<= 12.0 mil	

Mechanical Properties	Metric	English	Comments
Flexural Strength	68.9 MPa	10000 psi	
Compressive Strength	103 MPa	15000 psi	
Shear Strength	17.2 MPa	2500 psi	Tensile Shear Adhesion
Abrasion	0.060	0.060	[g] per 1000 cycles, 1 kg, CS17 Wheel; ASTM D4060

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	90.0 °C	194 °F	post cured 24 hrs at 100°C

Processing Properties	Metric	English	Comments
Cure Time	7200 min	120 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Gray	

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