

3M Scotchkote™ FG 512 Epoxy Ceramic Surfacer

Category : Polymer , Thermoset , Epoxy

Material Notes:

Scotchkote Epoxy Ceramic Surfacer FG 512 has been specifically developed as a ceramic enhanced epoxy repair coating for resurfacing and reforming metal machinery and equipment, such as pumps, impellers, fans, valves and pipe elbows. Product Features: Designed for application by stiff brush or squeegee Provides outstanding resistance to impingement, entrainment and erosion/corrosion. Primarily designed for resurfacing metal components used in fluid flow environments. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotchkote-FG-512-Epoxy-Ceramic-Surfacer.php

Physical Properties	Metric	English	Comments
Solids Content	100 %	100 %	
Thickness	254 microns	10.0 mil	

Mechanical Properties	Metric	English	Comments
Flexural Strength	62.1 MPa	9000 psi	
Compressive Strength	89.6 MPa	13000 psi	
Shear Strength	19.3 - 19.48 MPa	2800 - 2825 psi	Tensile Shear Adhesion
Abrasion	0.080	0.080	[g] per 1000 cycles, 1 kg, CS17 Wheel

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	60.0 °C	140 °F	

Processing Properties	Metric	English	Comments
Cure Time	180 min	3.00 hour	Initial Set
	300 min	5.00 hour	Full Mechanical
	360 min	6.00 hour	Machining Time

Descriptive Properties	Value	Comments
Appearance	Gray, Blue, Red	

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