

3M Scotchkote™ FG 514 Urethane Ceramic Lining

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Liquid

Material Notes:

Scotchkote Urethane Ceramic Lining FG 514 has been specifically developed as a 100% solids polyceramic coating with a degree of flexibility for lining and resurfacing equipment operating in fluid flow environments. Product Features: Combines good application characteristics with good cavitations and erosion resistance. Designed for application by stiff brush or squeegee. Provides outstanding protection against impingement. Primarily designed for use on propellers, kort nozzles, guide vanes, and turbines. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotchkote-FG-514-Urethane-Ceramic-Lining.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	
Solids Content	100 %	100 %	
Thickness	1000 microns	39.4 mil	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	19.5 MPa	2830 psi	
Abrasion	0.080	0.080	[g] per 1000 cycles, 1 kg, CS17 Wheel; ASTM D4060

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Touch Dry
	240 min	4.00 hour	Hard Dry
	10100 min	168 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Gray	

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