

## 3M Scotchkote™ HG 519 Epoxy Ceramic HD Surfacer

Category : Polymer , Thermoset , Epoxy

### Material Notes:

Scotchkote Epoxy Ceramic HD Surfacer HG 519 has been specifically developed as a 100% solids ceramic repair system for resurfacing equipment subject to severe abrasion. Product Features: Combines good application characteristics with excellent build capabilities. Designed for application by trowel or spatula at thicknesses up to 12 mm Provides outstanding resistance to sliding abrasion Designed for use to rebuild worn hoppers, chutes, pipe elbows and other equipment subject to aggressive attack from dry solids and slurries 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-HG-519-Epoxy-Ceramic-HD-Surfacer.php](http://www.lookpolymers.com/polymer_3M-Scotchkote-HG-519-Epoxy-Ceramic-HD-Surfacer.php)

Physical Properties	Metric	English	Comments
Solids Content	100 %	100 %	
Thickness	<= 152 microns	<= 6.00 mil	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Flexural Strength	41.4 MPa	6000 psi	ASTM D790
Compressive Strength	103 MPa	15000 psi	ASTM D695
Shear Strength	13.8 MPa	2000 psi	Tensile Shear Adhesion, on a grit blasted steel; ASTM D1002
Abrasion	1.1	1.1	[g] per 1000 cycles, 1 kg, CS17 Wheel; ASTM D4060

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	158 °C	316 °F	Wet
	248 °C	478 °F	Dry
Heat Distortion Temperature	60.0 °C	140 °F	ASTM D648

Processing Properties	Metric	English	Comments
Cure Time	480 min	8.00 hour	Hard Dry for machining
	7200 min	120 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Gray	

Descriptive Properties

Value

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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