

# Devcon Wear Guard™ Fine Load

Epoxy; Epoxide

Devcon

Message:

High-density, micro-alumina ceramic bead-filled epoxy system for protecting equipment that handles particulate smaller than 1/8"

Intended Use:

Dust particulate applications including slurry pumps, scrubbers, screens, and screw conveyors

Product Features:

Serves temperatures to 300°F

Trowelable to a smooth surface

Outstanding resistance to a wide range of chemicals

General Information			
Filler / Reinforcement	Ceramic bead packing		
Features	High density		
	Good chemical resistance		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.20	g/cm <sup>3</sup>	
Specific Volume	0.448	cm <sup>3</sup> /g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	149	°C	
Wet	60	°C	
Tensile Shear Adhesion	9.48	MPa	ASTM D1002
Molding Shrinkage - Flow	0.060	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	29.6	MPa	
Flexural Strength	49.6	MPa	ASTM D790
Compressive Strength	75.8	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	6.1E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value		Test Method
Dielectric Constant	46.0		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			

Mixing ratio by weight: 2.0

Component a

Mixing ratio by capacity: 2.0

Mixing ratio by weight: 1.0

Component B

Mixing ratio by capacity: 1.0

Pot Life (24°C)	30	min
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Additional Information	Nominal Value	Unit	Test Method
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Cured 7 days @ 75°F

Uncured Properties	Nominal Value	Unit	Test Method
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Curing Time	16	hr
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#### Recommended distributors for this material

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