

# Devcon Wear Guard™ High Load

Epoxy; Epoxide

Devcon

Message:

Alumina ceramic bead-filled epoxy system with outstanding abrasion resistance for severe service conditions with particulate greater than 1/8"

Intended Use:  
Repair scrubbers, ash handling systems, pipe elbows, screens, and chutes; recontour chippers, bins, hoppers, bunkers, separators, diester tables; protect exhausters, chutes, launderers, housing fans, crushers, and breakers

Product Features:  
Outstanding resistance to a wide range of chemicals  
Services temperatures to 300°F  
Non-sagging

General Information			
Filler / Reinforcement	Ceramic bead packing		
Features	Good wear resistance		
	Good chemical resistance		
Uses	Repair Materials		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.20	g/cm <sup>3</sup>	
Specific Volume	0.466	cm <sup>3</sup> /g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	149	°C	
Wet	60	°C	
Tensile Shear Adhesion	10.2	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	29.0	MPa	
Flexural Strength	49.2	MPa	ASTM D790
Compressive Strength	75.8	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	5.2E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value		Test Method
Dielectric Constant	41.0		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

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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