

# Devcon DFense Blok™

Epoxy; Epoxide

Devcon

## Message:

DFense Blok™ is a revolutionary wear and abrasion alumina ceramic bead-filled epoxy compound. DFense Blok™ is formulated to significantly outlast traditional wear and abrasion products while also providing superior performance in the most severe conditions.

### Intended Use:

Repair scrubbers, ash handling systems, pipe elbows, screens, chutes, chippers, bins, hoppers, bunkers, separators, digester tables. Protect exhausters, launderers, housing fans, crushers, breakers, and conveyor screws.

### Product Features:

Outstanding wear and abrasion resistance

Able to withstand high impact forces

Resistance to a wide range of chemicals

Non-sagging

General Information			
Filler / Reinforcement	Ceramic bead packing		
Features	Impact resistance, high		
	Good wear resistance		
	Good chemical resistance		
	Good wear resistance		
Uses	Repair Materials		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.21	g/cm³	
Specific Volume	0.455	cm³/g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	149	°C	
Wet	60	°C	
Tensile Shear Adhesion	18.0	MPa	ASTM D1002
Molding Shrinkage - Flow	0.050	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	77		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength	54.3	MPa	ASTM D790
Compressive Strength	49.3	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	49.0		ASTM D150
Thermoset	Nominal Value	Unit	Test Method

Thermoset Components			
Mixing ratio by weight: 100			
Component a			
Mixing ratio by capacity: 2.0			
Mixing ratio by weight: 45			
Component B			
Mixing ratio by capacity: 1.0			
Pot Life (24°C)	25	min	
Additional Information	Nominal Value	Unit	Test Method
Cured 7 days @ 75°F			
Uncured Properties	Nominal Value	Unit	Test Method
Curing Time	16	hr	

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