

Devcon DFense Blok™ Quick Patch

Epoxy; Epoxide

Devcon

Message:

Alumina ceramic bead-filled epoxy system with a very fast cure speed, allowing for emergency patching of processing equipment. Provides wear and abrasion resistance for extended service life.

Intended Use:

Patch holes, leaks and cracks in all types of processing equipment such as: scrubbers, ash handling systems, pipe elbows, screens, chutes, recontour chippers, bins, hoppers, bunkers, separators, digester tables, exhausters, launderers, housing fans, crushers and breakers.

Product Features:

- Eliminates downtime
- Exceptionally fast cure for emergency patching
- Applies to vertical and overhead surfaces
- Easy to mix
- Ceramic beads for wear resistance

General Information			
Filler / Reinforcement	Ceramic bead packing		
Features	Fast curing		
	Good wear resistance		
	Good wear resistance		
Uses	Repair Materials		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.86	g/cm³	
Specific Volume	0.538	cm³/g	
Solid content-by Volume	100	%	
Temperature Resistance - Dry	93	°C	
Tensile Shear Adhesion	17.2	MPa	ASTM D1002
Molding Shrinkage - Flow	0.10	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Strength	33.6	MPa	ASTM D790
Compressive Strength	42.5	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	5.6E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value		Test Method
Dielectric Constant	51.0		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			

Mixing ratio by weight: 1.0

Component a

Mixing ratio by capacity: 1.0

Mixing ratio by weight: 1.0

Component B

Mixing ratio by capacity: 1.0

Pot Life (24°C)	4.0	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	6.0	hr
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