

# Devcon Brushable Ceramic Blue/Red

Epoxy; Epoxide

Devcon

## Message:

A brushable, high performance ceramic-filled epoxy for sealing, protecting and repairing surfaces subject to erosion, corrosion and wear.

Intended Use:

Seal and protect new equipment exposed to erosion and corrosion; protect pump casings, impeller blades, gate valves, water boxes, and fan blades; rebuild heat exchangers, tube sheets, and other water circulating equipment; top coat for providing exceptionally smooth surface to repaired surfaces

Product features:

Approved for use in meat and poultry plants (red only)

Excellent chemical resistance

Temperature resistance to 350°F

Applies easily with short-bristle brush or roller

Low viscosity, self-leveling liquid

General Information			
Filler / Reinforcement	Ceramic fiber filler		
Features	Low viscosity		
	Good chemical resistance		
Uses	Repair Materials		
Appearance	Red		
	Blue		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.62	g/cm <sup>3</sup>	
Specific Volume	0.618	cm <sup>3</sup> /g	
Solid content-by Volume	100	%	
Salt Spray	6.8	month	
Temperature Resistance			
Dry	177	°C	
Wet	66	°C	
Tensile Shear Adhesion	13.8	MPa	ASTM D1002
Molding Shrinkage - Flow	0.20	%	ASTM D2566

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Flexural Strength	55.2	MPa	ASTM D790
Compressive Strength	105	MPa	ASTM D695

Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	3.4E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Test Method
Dielectric Constant (1 MHz)	3.87	ASTM D150

Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mixing ratio by weight: 5.6		
Component a	Mixing ratio by capacity: 3.4		
	Mixing ratio by weight: 1.0		
Component B	Mixing ratio by capacity: 1.0		
Pot Life (24°C)	40	min	
Thermoset Mix Viscosity	32000	cP	
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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#### Recommended distributors for this material

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