

Devcon Brushable Ceramic White

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:

Protect pump casings, impeller blades, gate valves, water boxes, and fan blades; rebuild heat exchangers, tube sheets, and other water circulating equipment; top coat on repaired surfaces; seal and protect new equipment exposed to erosion and corrosion

Product features:

Excellent chemical resistance

Temperature resistance to 350°F

Applies easily with short-bristle brush or roller

Low viscosity, self-leveling liquid

Acceptable for use in meat and poultry plants

NSF® Approved (Certified to ANSI/NSF61)

General Information			
Filler / Reinforcement	Ceramic fiber filler		
Features	Low viscosity		
	Good chemical resistance		
Uses	Repair Materials		
Agency Ratings	NSF 61		
Appearance	White		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	
Specific Volume	0.596	cm ³ /g	
Solid content-by Volume	100	%	
Salt Spray	6.8	month	
Temperature Resistance - 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)	87		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	38.7		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			

Mixing ratio by weight: 8.5

Component a

Mixing ratio by capacity: 5.6

Mixing ratio by weight: 1.0

Component B

Mixing ratio by capacity: 1.0

Pot Life (24°C)	21	min
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Thermoset Mix Viscosity	40000	cP
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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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