

Devcon FasMetal™

Epoxy; Epoxide

Devcon

Message:

A high-performance, fast-curing 100% solids epoxy for emergency repairs to stainless steel, equipment that needs good chemical resistance.

Intended Use:

Repair breakers and transformers in an emergency; patch holes and leaks in coal fuel lines; repair cracks in housing and pipes; rebuild keyways and treads

Product Features:

Can be applied in temperatures as low as 40°F

Full cure in 6 hours

Easy to use 1:1 formula

Sets up in 5 minutes

General Information			
Features	Fast curing		
Uses	Repair Materials		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.69	g/cm ³	
Specific Volume	0.621	cm ³ /g	
Solid content-by Volume	100	%	
Temperature Resistance - Dry	121	°C	
Tensile Shear Adhesion	13.8	MPa	ASTM D1002
Molding Shrinkage - Flow	0.93	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5860	MPa	ASTM D638
Flexural Strength	53.1	MPa	ASTM D790
Compressive Strength	87.6	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	5.8E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.85	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	15	kV/mm	ASTM D149
Dielectric Constant	18.6		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Mixing ratio by weight: 1.1			
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	
Additional Information	Nominal Value	Unit	Test Method
Cured 7 days @ 75°F			
Uncured Properties	Nominal Value	Unit	Test Method
Curing Time	1.0	hr	

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