

# Devcon Wear Resistant Putty (WR-2)

Epoxy; Epoxide

Devcon

Message:

A ceramic-filled epoxy putty with a smooth, low-friction finish.  
Intended Use:  
For repairing flange faces, machine ways, valve seats and bodies, and tracing guides  
Product features:  
Rebuilds and protects interfacing metal surfaces  
Protects metal from bi-metallic corrosion  
Repairs metals and concrete

General Information			
Filler / Reinforcement	Ceramic fiber filler		
Features	Low friction coefficient		
Uses	Metal repair materials		
	Repair Materials		
Appearance	Dark gray		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm <sup>3</sup>	
Specific Volume	0.502	cm <sup>3</sup> /g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	121	°C	
Wet	54	°C	
Tensile Shear Adhesion	15.2	MPa	ASTM D1002
Molding Shrinkage - Flow	0.050	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5170	MPa	ASTM D638
Flexural Strength	44.8	MPa	ASTM D790
Compressive Strength	67.6	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	5.8E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.70	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	16	kV/mm	ASTM D149
Dielectric Constant	6.30		ASTM D150
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			

Mixing ratio by weight: 9.0

Component a

Mixing ratio by capacity: 4.0

Mixing ratio by weight: 1.0

Component B

Mixing ratio by capacity: 1.0

Pot Life (24°C)	45	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	16	hr
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#### Recommended distributors for this material

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