

Devcon Underwater Repair Putty (UW)

Epoxy; Epoxide

Devcon

Message:

Makes (effective) repairs to metal, concrete, wood surfaces in wet and dry environments.

Intended Use:

Repairing and refitting pipes, valves, pumps, and tanks. Repair concrete vessels and piping in wet environments. This product will bond to a wet or damp surface.

Product features:

Bonds to aluminum, concrete, and many other metals

Bonds to ferrous and non-ferrous metals

Non-rusting

Bonds to wet surfaces

Bonds, patches, and seals metals

Non-sagging

General Information			
Features	Adhesiveness		
Uses	Metal repair materials		
	Repair Materials		
	Bonding		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	
Specific Volume	0.614	cm ³ /g	
Solid content-by Volume	100	%	
Temperature Resistance			
Dry	121	°C	
Wet	49	°C	
Tensile Shear Adhesion	18.5	MPa	ASTM D1002
Molding Shrinkage - Flow	0.20	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5170	MPa	ASTM D638
Flexural Strength	34.4	MPa	ASTM D790
Compressive Strength	38.8	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	3.2E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	5.9	kV/mm	ASTM D149
Dielectric Constant	8.60		ASTM D150

Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mixing ratio by weight: 1.4		
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)	45	min	
Additional Information	Nominal Value	Unit	Test Method
Cured 7 days @ 75°F			
Uncured Properties	Nominal Value	Unit	Test Method
Curing Time	24	hr	

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