

# Devcon Plastic Welder™

Epoxy; Epoxide

Devcon

## Message:

Toughened structural adhesive, after curing, produces superior strength to load-bearing bonds to engineered plastics.

Intended Use:

Bond: PVC, fiberglass, ABS, FRT, PBT, PPO, PCBB, Metton®, Lomod®, Valox®, Noryl®, GTX, Minlon®, epoxy, RIM urethane, wood, poorly prepared surfaces, and where outdoor weathering or solvent exposure is anticipated.

Features:

Minimal surface preparation

Room temperature cure

1:1 mix ratio

Rapid fixture in thin set

Non-sagging formula

General Information			
Features	Solvent resistance		
	Adhesiveness		
	Good weather resistance		
Uses	Bonding		
	Adhesive		
Physical	Nominal Value	Unit	Test Method
Specific Volume	1.02	cm <sup>3</sup> /g	
Solid content-by Volume	100	%	
Impact Resistance	46.2	kJ/m <sup>2</sup>	
Service Temperature	-55 - 121	°C	
Work Time (22°C)	4.0 - 6.0	min	
Tensile Shear Adhesion			ASTM D1002
ABS	8.96	MPa	ASTM D1002
GBS	24.1	MPa	ASTM D1002
Polycarb	9.65	MPa	ASTM D1002
Density <sup>1</sup>	0.983	g/cm <sup>3</sup>	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		ASTM D2240
Mechanical	Nominal Value	Unit	
Tensile Elongation (Break)	15 - 25	%	
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			

Mixing ratio by weight: 1.0

Component a

Mixing ratio by capacity: 1.0

Mixing ratio by weight: 1.0

Component B

Mixing ratio by capacity: 1.0

Thermoset Mix Viscosity	50000	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	24	hr
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#### NOTE

1. Mixed

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#### Recommended distributors for this material

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