

# Devcon Metal Welder™

Epoxy; Epoxide

Devcon

## Message:

Fast curing 10:1 methacrylate adhesive designed for structural bonding of metals without primers. The system requires little to no surface preparation or primers.

Intended Use:

Structural bonding of aluminum, steel, and stainless steel, along with bonding thermoplastic and composite assemblies.

Features:

Excellent environmental resistance

Low odor technology

Bonds dissimilar substrates

Excellent impact, peel, and shear resistance

Beads in activator for proper bond line thickness

General Information			
Features	Impact resistance, high		
	Adhesiveness		
	Fast curing		
	The smell is low to none		
Uses	Metal bonding		
	Bonding		
	Adhesive		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Density	0.979	g/cm <sup>3</sup>	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240
Mechanical	Nominal Value	Unit	
Tensile Elongation (Break)	30 - 60	%	
Impact	Nominal Value	Unit	
Impact Resistance			
--	> 42.0	kJ/m <sup>2</sup>	
AL : -40°C	31.5	kJ/m <sup>2</sup>	
Service Temperature	-55 - 93	°C	
Work Time (22°C)	4.0 - 6.0	min	
Tensile Shear Adhesion			ASTM D1002
14 day salt fog AL	15.2	MPa	ASTM D1002
ABS	8.62	MPa	ASTM D1002
AL	17.6	MPa	ASTM D1002
Composite	9.65	MPa	ASTM D1002

GBS	16.9	MPa	ASTM D1002
SS	18.0	MPa	ASTM D1002
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Mixing ratio by weight: 8.7			
Component a			
Mixing ratio by capacity: 10			
Mixing ratio by weight: 1.0			
Component B			
Mixing ratio by capacity: 1.0			
Thermoset Mix Viscosity	90000	cP	
Additional Information	Nominal Value	Unit	Test Method
Cured 7 days @ 75°F			
Uncured Properties	Nominal Value	Unit	Test Method
Curing Time (22°C)	24	hr	

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

