

Devcon Dev-Thane™ 5

Polyurethane

Devcon

Message:

A two-part, fast setting. Primerless high performance urethane adhesive for bonding many different substrates such as steel, aluminium, ABS, urethane, and composites.
Intended Use:
Bonds steel, aluminium, stainless steel, galvanized steel, concrete, wood, glass, ABS, and urethanes with no primers.

General Information			
Features	Adhesiveness		
Uses	Bonding		
	Adhesive		
Appearance	Grey		
Physical	Nominal Value	Unit	Test Method
Specific Volume	0.708	cm ³ /g	
Solid content-by Volume	100	%	
Service Temperature	-40 - 93	°C	
Work Time (24°C)	5.0	min	
Tensile Shear Adhesion			ASTM D1002
ABS	4.34	MPa	ASTM D1002
AL	8.76	MPa	ASTM D1002
Concrete	8.27	MPa	ASTM D1002
Galvanized mtl	10.9	MPa	ASTM D1002
GBS	19.0	MPa	ASTM D1002
SMC	6.17	MPa	ASTM D1002
SS	12.7	MPa	ASTM D1002
Density ¹	1.41	g/cm ³	
Molding Shrinkage - Flow	0.14	%	ASTM D2566
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	14.5	MPa	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	200	%	ASTM D412
Tear Strength	70.1	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	14	kV/mm	ASTM D149
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

Shelf Life	52	wk	
Thermoset Mix Viscosity	45000	cP	
Additional Information	Nominal Value	Unit	Test Method
Cured 7 days @ 75°F			
Uncured Properties	Nominal Value	Unit	Test Method
Curing Time	24	hr	
NOTE			

1. Mixed

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