

## 1 Minute™ Epoxy Gel

ption:	Super-fast epoxy which bonds to metals, glass, fiberglass, and ceramics. Sets up in 60 seconds for instant adhesion. Repairing furniture, jewelry, china, appliances and models. 100% reactive, no solvents. Parts fixture in less than 1 minute. Fast-curing adhesive that bonds metals.							
ed Use:								
es:								
bical ysical operties:	Technical data should be considered representative or typical only and should not be used for specification purposes.							
	Cured 7 Days @ 75°F (24°C) Adhesive Lap Shear (GBS) Dielectric Strength Gap Fill Hardness Impact Resistance Service Temperature Solids by Volume Specific Volume Tensile Elongation T-Peel Uncured Properties @ 72°F (23°C Color Working Time Fixture Time Functional Cure Full Cure Mix Ratio by Volume Mix Ratio by Volume Mix Ratio by Weight	Opaque-Amber 45 seconds 1 minute 30-45 minutes 2 hours 1:1 1:1	Standard Tests Cured Hardness Shore D ASTM D 2240 Dielectric Strength, volts/mil ASTM D 149 Tensile lap Shear ASTM D1002					
e ation:	Mixed Density Mixed Viscosity	9.4 lb/gal (1.13 g/cm <sup>3</sup> ) 70,000 cP	contaminants. Surface can also be cleaned with					
paration: ing tructions:	industrial cleaning equipment such as vapor phase degreasers or hot aqueous baths. If working with metal, abrade or roughen the surface to significantly increase the microscopic bond area and increase the bond strength.							
	Proper homogenous mixing of resin and hardener is essential for the curing and development of stated strengths.							
	<ul> <li><u>25 ML DEV-TUBE</u></li> <li>1. Squeeze material into a small container the size of an ashtray.</li> <li>2. Using mixing stick included on Dev-tube handle, vigorously mix components for one (1) minute.</li> <li>3. Immediately apply to substrate.</li> </ul>							
	50 ML/400ML/490 ML CARTRIDGES 1. Attach cartridge to Mark V ™ [50ml] 400ml manual or pneumatic dispensing systems. 2. Open tip.							
	3. Burp cartridge by squeezing out some material until both sides are uniform (ensures no air bubbles are present during mixing)							
	<ol> <li>Attach mix nozzle to end of cartridge.</li> <li>Apply to substrate.</li> </ol>							
ation tions:	<ol> <li>Apply mixed epoxy directly to one</li> <li>Assemble with mating part within</li> </ol>	e surface in an even film or as a bead.						

	edges to display adequate gap fill.)							
	For very large gaps:							
	1. Apply epoxy to both surfaces.							
	2. Spread to cover entire area OR make a bead pattern to allow flow throughout the joint.							
	Let bonded assemblies stand for recommended functional cure time prior to handling.							
	CAPABILITIES:							
	Can withstand processing forces							
	Do not drop, shock load, or heavily load							
Storage:	Store in a cool, dry place.							
Compliances:	None							
Chemical	Chemical resistance is calculated with a 7 day, room temp. cure (30 days immersion) @ 75°F (24°C)							
Resistance:	Acetic 10% (Dilute)	Poor		Hydrochloric 10%	Poor			
	Acetone	Poor		Isopropanol	Poor			
	Ammonia	Poor		Kerosene	Excellent			
	Corn Oil	Excellent		Methyl Ethyl Ketone	Poor			
	Cutting Oil	Excellent		Mineral Spirits	Excellent			
	Ethanol	Poor	_	Motor Oil	Excellent			
	Gasoline (Unleaded)	Poor		Sulfuric 10%	Poor			
	Glycol/Antifreeze	Fair						
Precations:	FOR INDUSTRIAL USE ONLY: Please refer to the appropriate <u>Saftey</u> <u>Data</u> <u>Sheet</u> prior to using this product.							
Warranty:	ITW Defermence Delymere will replace any meterial found to be defeative. Descure the starses has discussed as the day of this							
warranty.	ITW Performance Polymers will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.							
Order	Item No. Package							
Information:	14277 50ml Dev-Pak							
Contacts:	www.itwpp.com							
	ITW Performance Polymers (US) ITW Performance Polymers (EMEA)							
	30 Endicott Street Bay 150, Shannon Industrial Estate							
	Danvers, MA 01923 USA Shannon, County Clare, Ireland V14 DF82							
	TEL: 855 489 7262 TEL: +353 61 771 500							
	FAX: 978 774 0516 FAX: +353 61 471 285							
	Email: info@itwpp.com Email: customerservice.shannon@itwpp.com							
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	performance, the data here is not intended to substitute end user testing. It is the end users sole responsible for evaluating any ITW PP							
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