

30 MINUTES LIQUID EPOXY

903-30-240



- PRODUCE NAME :
30 Minutes Liquid Epoxy
- PRODUCT CODE : 903-30-240
- Volume : 240 ml (8 Fl Oz)
- Working time: 30 mins

Epoxy liquid adhesive used to bond wood, metal, glass, ceramic, concrete, fabric, and remains clear from application through full cure to help blend in with material. It forms a tough bond that is flexible for durability.

FEATURES

- ✓ Continuous service temperature range from -20 to +300 degrees F (-29 to +150°C)
- ✓ Work time of approximately 30-35 min, cure time for function of 7-8 hr, and full cure time of 12 hr.
- ✓ Forms tough bond for durability.

TEST REPORT



Test Item	Test Method	Test Result
Hardness (Type D/l sec)	ASTM D2240-05	83
Shear Strength (psi)	ASTM D1002-01	899
Compressive Strength (psi)	ASTM D695-02a	16902
Gel Time (sec)	ASTM D2471-99	350

TECHNICAL DATA SHEET

30 MINUTES LIQUID EPOXY 903-30-240



PRODUCT DATA

Clear Liquid Epoxy	
Part A & B	Clear (A) Amber (B)
Mixed	Light Amber
Ratio	1 : 1

STORAGE CONDITION & SHELF-LIFE

- 24 months from date of production if stored properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +5°C and +25°C.
- Protect from direct sunlight to avoid causing any deterioration and hardener (part B) turning to yellow.

TECHNICAL DATA

Typical Physical Properties	Results	Test Method
Uncured		
Mixed Viscosity	10000 cps	Adhesive Tensile Shear ASTM D 1002
Mix Ratio By Volume	1:1	
Mix Ratio By Weight	1:1	
Mixed Density	9.17 lbs/gal.: 1.10 gm/cc	Dielectric Strength, volts/mil ASTM D 149
Working Time	30-35 min. (28 gm @ 72°F)	
Fixture Time	1 hr @ 72°F	Cure Hardness Shore D ASTM D 2240
Functional Cure	7-8 hr. @ 72°F	
Full Cure	12	
Service Temperature	Dry, - 40°F to 200°F	

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Typical Physical Properties	Results	Test Method
Cure 7 days@75°F		
T-peel	2-3 pli	Adhesive Tensile Shear ASTM D 1002
Impact Resistance	5.5 ft.lb./in.(2)	
Tensile Elongation	1%	
Tensile Elongation	1%	Dielectric Strength, volts/mil ASTM D 149
Shore Hardness	82 Share D	
Gap-Fill	Good	Cure Hardness Shore D ASTM D 2240
Dielectric Strength	490 volts/mils	
% Solids by Volume	100	
Adhesive Tensile Lap Shear(GBS)	1900 psi @ 0.005" bondline	
Specific Volume	25.1 in(3)/lb	

APPLICATION INSTRUCTIONS

1. Clean and dry surface thoroughly. For the best result, roughen surface using sandpaper or file, steel wool, wire brush..etc.
2. Unscrew the sealing cap.
3. Squeeze equal amounts of Resin and Hardener onto clean discardable surface.
(Note: the containers are graduated for dispensing proper amounts.)
4. Mix evenly.
5. Apply to surfaces to be jointed.

****Note:** This epoxy product is suitable for indoor use only, since the cured epoxy can yellow and darken when exposed to direct sunlight.

HEALTH AND SAFETY INFORMATION

- For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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