



Speed Set™ Professional Epoxy

Description: LePage Speed Set Professional Epoxy Glue is a two-part adhesive consisting of an epoxy resin and a hardener. When mixed in equal volumes, resin and hardener react to produce a tough, rigid, high strength bond in 5 minutes for most projects. It can be used as an adhesive for a wide range of materials or as a versatile filler for gap bonding, surface repairs and laminating. LePage Speed Set Professional Epoxy Glue does not shrink and is resistant to water and most common solvents. It can be tinted with earth pigments, cement or sand for colour matching. It can be sanded and drilled.

Available As:

Item #	Size	Package
1443835	2 x 118 ml	Carded Bottles

Features & Benefits:

- 5 Minute Set Time
- High Impact Resistance
- Machinable
- Resistant to Water and Most Chemicals
- Will Not Shrink or Expand

Recommended For:

LePage Speed Set Professional Epoxy bonds metal, glass, ceramic, wood, many rigid plastics, china, tile, fiberglass, concrete and stone. Can be combined with fiberglass cloth for a durable patch.

For Best Results:

- Not for use on nylon, polyethylene (PE), polypropylene (PP) and polytetrafluoroethylene (PTFE)/Teflon® or flexible materials
- Not suitable for applications requiring short-term heat exposure of greater than 150°C (302°F)
- Not suitable for potable water systems
- Not suitable for continuously wet areas or water immersion



TECHNICAL DATA SHEET

Typical Uncured Physical Properties:

Color:		
Hardener:	Light Yellow	
Resin:	Colorless	
Base:	Polymercaptan Hardener / Epoxy Resin	
Odor:	Amine	
Specific Gravity:		
Hardener:	1.49	
Resin:	1.56	
Flash Point:		
Hardener:	>96°C (205°F)	
Resin:	>204°C (400°F)	
VOC Content:	0% by weight	CARB
Shelf Life:	24 months from date of manufacture (unopened)	
Lot Code Explanation:	YYDDD YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in a year For example: 14061 = 61 st day of 2014 = March 2, 2014	

Typical Application Properties:

Application Temperature:	Apply between 4°C (39°F) and 35°C (95°F)	
Gel Time (5g : 5g):	5 minutes*	
Usable Strength:	20 minutes*	
Cure Time:	24 hours*	
*Times are dependent on temperature, humidity and amount of adhesive used		

Typical Cured Performance Properties:

Color:	Clear to amber	
Cured Form:	Non-flammable solid	
Service Temperature:	-23°C (-9°F) to 49°C (120°F) -23°C (-9°F) to 150°C (302°F)	Long Term Exposure Short Term Exposure
Water Resistant:	Yes	
Sandable:	Yes	
Paintable:	No but can be tinted using earth pigments, cement or sand	
Hardness:	76 ± 1	Shore D
Tensile Shear Strength:		
Cold Rolled Steel, Sandblasted:		
1 hour cure:	3.33 ± 0.89 N/mm ² (483 ± 129 psi)	
4 hour cure:	7.40 ± 1.03 N/mm ² (1073 ± 150 psi)	
24 hour cure:	22.9 ± 1.03 N/mm ² (3320 ± 149 psi)	
7 day cure:	24.8 ± 0.49 N/mm ² (3597 ± 71 psi)	
Aluminum, Sandblasted:		
24 hour cure:	18.0 ± 2.98 N/mm ² (2608 ± 432 psi)	
7 day cure, 24 hr water immersion:	17.1 ± 0.79 N/mm ² (2484 ± 114 psi)	
Compressive Shear Strength:	24 hour cure	
Sanded Hard PVC (White):	5.16 ± 0.73 N/mm ² (748 ± 106 psi)	
Sanded Hard Acrylic:	4.39 ± 1.32 N/mm ² (637 ± 191 psi)	
Maple:	12.2 ± 0.65 N/mm ² (1771 ± 94 psi)	



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Directions:**Tools Typically Required:**

Utility knife (for syringe), mixing tool/applicator (e.g. wooden stick), disposable surface, (e.g. cardboard or paper cup).

Safety Precautions:

Apply and cure in a well-ventilated area. Wear gloves and wash hands after use

Preparation:

Surfaces must be clean, dry and free from oil, wax and paint. Roughen smooth surfaces for better adhesion by sandblasting or sanding with emery cloth. Wash glass and ceramic surfaces with soap and water then rinse and let dry. Pre-fit parts to be joined. Unscrew nozzles and remove seal. Replace nozzles, remove caps and cut tips. Dispense equal amounts of resin and hardener on a disposable surface. Prepare as much as can be used in 5 minutes. Recap bottles at once ensuring that the correct cap goes back on the correct bottle. Interchanging caps will make future cap removal impossible. Mix resin and hardener for one minute thoroughly.

Application:

For best results apply a small amount to both surfaces within one to two minutes of mixing adhesive and press together. Placing parts together close to the 5 minute set time will reduce adhesion. Remove any excess glue immediately with mineral spirits, acetone or rubbing alcohol (follow all solvent manufacturer's precautions). Support surfaces until bond sets (approx. 5 minutes). Usable strength achieved in 20 minutes. Fully cured in 24 hours.

Clean-up:

Clean excess glue immediately by wiping with clean cloth. Acetone may be used to assist in removal. Cured adhesive may be cut away with caution using a sharp blade. Prolonged immersion in paint stripper will soften the cured adhesive to aid removal. Note: Acetone is highly flammable and not compatible with all surfaces. Follow manufacturer's instructions and test on small area before applying.

Storage & Disposal:

Not damaged by freezing. If frozen, warm to room temperature until the resin and hardener become liquid enough to mix. Use an approved hazardous waste facility for disposal.

Label Precautions:

CAUTION. IRRITANT. MAY IRRITATE EYES AND SKIN. Do not get in eyes or on skin. May cause allergic skin reaction. **KEEP OUT OF REACH OF CHILDREN. FIRST AID TREATMENT:** Contains epoxy resins, polymercaptan and amine curing agents. If swallowed, call Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes rinse well with water for at least 15 minutes. If on skin, rinse well with water.

Refer to Material Safety Data Sheet (MSDS) for further information.

Disclaimer:

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