



Flexible Plastic Adhesive

Description: LePage Flexible Plastic Adhesive is a clear liquid adhesive for mending flexible plastics. It dries to a transparent and waterproof bond. It will not yellow or go brittle with age or sunlight.

Available As:

Item #	Size	Package
393915	30 ml	Carded Tube

Features & Benefits:

- Transparent for Invisible Repairs
- Mends Rips/Tears
- Flexible
- Waterproof
- Won't Go Brittle With Age

Recommended For:

Flexible Plastic Adhesive bonds paper, glass, leather, wood and fabric. It is used to repair seat covers, beach balls, vinyl inflatable mattresses, vinyl upholstery, raincoats and wading pools. It can also be used to repair household items, shoes, toys, tools and for weather stripping.

For Best Results:

- Not recommended for use on the following materials: polyethylene, polypropylene, polytetrafluoroethylene (PTFE)/Teflon®, polystyrene, polyformaldehyde, rubberized cotton, foam rubber neoprene, urethane rubber and Mylar®



TECHNICAL DATA SHEET

Typical Uncured Physical Properties:

Color:	Clear and colorless	
Appearance:	Liquid	
Base:	Polyurethane	
Solvent:	Ketone	
Odor:	Solvent (Use in a well-ventilated area)	
Specific Gravity:	1.101	
Flash Point:	-9°C (16°F)	
Viscosity:	2,250 to 2,750 mPa.s	
VOC Content:	79% by weight	CARB
Shelf Life:	24 months from date of manufacture (unopened)	
Lot Code Explanation:	YYDDD	
Printed on folded end of tube	YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in the year Example: 14061 = 61 st day of 2014 = March 2, 2014	

Typical Application Properties:

Application Temperature:	Use between 5°C (41°F) to 30°C (86°F)	
Open Time:	30 minutes*	
Cure Time:	24 hours*	
	*Times are dependent on temperature, humidity, porosity of surface bonded and amount of adhesive used	

Typical Cured Performance Properties:

Color:	Clear and Colorless	
Cured Form:	Non-flammable, flexible solid	
Service Temperature:	Up to 60°C (140°F)	
Water Resistant:	Yes	
UV Resistant:	Will turn yellow with long-term UV exposure	
Peel Strength:	For a comparison of peel strengths, see table 1 below	ASTM D1876

Table 1: Comparison of Peel Strengths

Plastic	Common Household Items	24 Hours	7 Days
Vinyl (multi-purpose grade)	PVC upholstery, beach ball, stair runner, raincoat	2.28 N/mm (13 lb/in)	2.28 N/mm (13 lb/in)
Vinyl pool liner (30 mils)	Wading pool	2.45 N/mm (14 lb/in)	2.63 N/mm (15 lb/in)
Polycarbonate	Signs, graphics, business card, book binder	2.10 N/mm (12 lb/in)	2.10 N/mm (12 lb/in)
Weather-stripping (SBR rubber)	Weather-stripping	2.98 N/mm (17 lb/in)	2.98 N/mm (17 lb/in)



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Directions:**Tools Typically Required:**

Applicator (e.g. small flat wooden stick).

Safety Precautions:

Apply and cure in a well-ventilated area. Wear gloves.

Preparation:

Surfaces must be clean, dry and free from oil, wax and paint. Roughen smooth surfaces for better adhesion. Pre-fit parts to be joined.

Application:

Contact bonding: Apply evenly to both surfaces. Let dry for 10 to 30 minutes or until dry to the touch. On porous surfaces, apply a second coat and allow to dry. Assemble parts within 30 minutes.

Wet bonding: Apply evenly to both surfaces. While wet, press together. Hold until set. Joint can be repositioned while the adhesive is still wet. Wipe excess adhesive away before it sets.

Wait for a full cure of 24 hours before exposure to water. When the adhesive is dry, scrape off any surplus. Acetone can also be used to remove excess adhesive (caution, acetone may damage some plastics).

Clean-up:

Uncured adhesive can be removed using acetone. Cured adhesive can be carefully cut away using a sharp-edged tool.

Storage & Disposal:

NOT DAMAGED BY FREEZING. Store away from heat, flame and spark in a cool, well-ventilated area. Use an approved hazardous waste facility for disposal.

Label Precautions:

FUMES MAY CATCH FIRE. Avoid breathing vapours and skin contact. Do not smoke. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. **KEEP OUT OF REACH OF CHILDREN.**

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

Disclaimer:

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.



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