



TECHNICAL DATA SHEET

LOCTITE

POWER GRAB® CLEAR
All-Purpose
Interior Construction Adhesive

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Item #	Package	Size
1589155	Plastic Cartridge	9 fl. oz.
1589190	Cartridge	

DESCRIPTION

Loctite® Power Grab® Clear All-Purpose Interior Construction Adhesive is a premium quality, high strength, gap-filling adhesive. This construction adhesive has nine times the tack or instant grab compared to other latex construction adhesives on the market today. This extremely high tack adhesive eliminates the need for nails and screws in many DIY and repair jobs. The adhesive has a very low odor, and requires only soap and water to clean up. This makes it safe, easy to use and environmentally friendly.

RECOMMENDED FOR:

Bonds wood, plywood, drywall, stainless steel, glass, cork, foam board, ceramics, plaster, stone, brick, concrete, chip board, carpet, PVC (rigid plastic), vinyl cove base, polystyrene and polyurethane foam coverings.

NOT RECOMMENDED FOR:

- Metals that will corrode
- Mirrors
- Natural marble (causes staining)
- Continuously wet areas or water immersion
- Polyethylene, polypropylene, nylon or Teflon® / polytetrafluoroethylene (PTFE)
- Cement board (Durock®)

FEATURES & BENEFITS:

Feature	Benefits
Easy cleanup with water (uncured adhesive).....	Eliminates the use of chemicals
Water-based.....	Low odor
High grab.....	Minimizes nailing requirements
Water-resistant.....	Ideal for humid areas
Dries clear.....	Invisible bond line

COVERAGE

For a 9 fl. oz. cartridge:

- A 1/4" (6 mm) bead extrudes approximately 28 ft. (8.5 m).
- A 3/8" (9.5 mm) bead extrudes approximately 12 ft. (3.7 m).

DIRECTIONS

Tools Typically Required:
Utility knife, caulking gun.

Safety Precautions:
Wash hands after use.

Preparation:

The temperature of the adhesive, the surfaces and the working area must be above 50°F (10°C). One surface must be porous. Surfaces must be clean, dry and free of frost, grease, dust and other contaminants. To obtain maximum adhesion, surfaces should be flat to provide adequate contact. Painted surfaces must be well cured and free of loose paint. Sand glossy surfaces to a dull finish. Pre-fit all materials before applying adhesive. Cut the tip off the cartridge at a 45° angle to desired bead size.

Application:

Product applies white then dries clear. Apply a continuous bead to one of the surfaces then press material firmly into place within 60 minutes. Repositioning time is approximately 15 minutes, depending on bead size. For larger areas such as panels and drywall, apply adhesive around the perimeter 1" (3 cm) in from the edge and vertically every 6" (15 cm). Alternatively apply a continuous bead to all furring strips, studs and top and bottom plates. When applying materials to a vertical surface, the maximum vertical load the adhesive is safely rated for on a porous substrate is 20 lbs/ft² (10 grams/cm²) of bond area. No bracing is usually required, however, use clamps or other means of support for materials that exceed the maximum vertical load to insure maximum contact for 24 hours or until dry.

Clean-up:

Clean tools and adhesive residue immediately with soapy water. Cured adhesive may be carefully cut away with a sharp-edged tool.

STORAGE AND DISPOSAL

Store above freezing. Take unwanted product to an approved household hazardous waste transfer facility, or allow product to harden by spreading on a discardable surface. Hardened material may be disposed of with trash.

LABEL PRECAUTIONS

CAUTION: Avoid eye contact. For eye contact, flush with water for 15 minutes and call a physician. **Keep out of the reach of children.**

Refer to the 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.

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	White (Dries clear)	<u>Application Temperature:</u>	Apply and cure above 50°F (10°C)
<u>Appearance:</u>	Thick paste	<u>Odor:</u>	Minimal
<u>Base:</u>	Synthetic latex	<u>Open Time:</u>	60 minutes @ 77°F (25°C)
<u>Specific Gravity:</u>	1.03 – 1.07	<u>Repositioning Time:</u>	15 minutes
<u>pH:</u>	7 to 9	<u>Dry Time:</u>	
<u>% Solids:</u>	50%	Initial Dry Time	24 hours @ 77°F (25°C) and 50% RH
<u>Flashpoint:</u>	> 200°F (93°C)	Full Cure	7 to 14 Days
<u>VOC Content:</u>	< 0.5% by weight (23 g/L calculated)	<u>Initial Tack:</u>	25 g/cm ²
<u>Shelf Life:</u>	24 months from date of manufacture (unopened)		
<u>Lot Code Explanation:</u>	YYDDD		
(Lot code stamped along bottom edge of cartridge body)	YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in a year For example: 13061 = 61 st day of 2013 = March 2, 2013		

Typical Cured Performance Properties

<u>Color:</u>	Clear
<u>Cured Form:</u>	Non-flammable solid
<u>Service Temperature:</u>	-0.4°F to 122°F (-18°C to 50°C)
<u>Water Resistance:</u>	Yes
<u>Paintable:</u>	Yes
<u>Sandable:</u>	No
<u>Tensile Shear Strength:</u> (ASTM D3498)	
Wet Lumber:	330 ± 61 psi
Gap Filling:	193 ± 50 psi
<u>Specifications:</u>	GreenGuard® Certified