



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

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Visit our Website: www.acousticalsurfaces.com

We Identify and S.T.O.P. Your Noise Problem

Revision: September 11, 2006
Supersedes: February 28, 2005
Ref: 1661-3TB

TECHNICAL DATA SHEET



Henkel Corporation
Professional and Consumer Adhesives
Avon, OH 44011
Phone 1-800-321-0253
Fax (440) 937-7067
www.henkel.com



Item #	Package	Size
01-20468-11	Plastic Cartridge	10.1 fl. oz.
01-06750-01	Fiber Cartridge	27.9 fl. oz.
01-20482-05	Pressure Pack	6.76 fl. oz.

DESCRIPTION

Loctite Power Grab 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™.
Cement board.

FEATURES & BENEFITS

Feature	Benefits
<i>Adhesive:</i>	
Easy cleanup with water (uncured adhesive).....	Eliminates the use of chemicals
Water-based.....	Low odor, non-toxic
High grab.....	Minimizes nailing requirements
Water-resistant.....	Ideal for humid areas
<i>Pressure Pack:</i>	
Available in aerosol pressure pack.....	Eliminates the use of a caulking gun
Adjustable bead size.....	Precise application

COVERAGE

6.76 fl. oz. pressure pack will extrude approx. 21 ft (6.3 m) of a 1/4 " (6 mm) diameter bead.
10.1 fl. oz. tube will extrude approx. 31 ft (9.5 m) of a 1/4 " (6 mm) diameter bead.
27.9 fl. oz. tube will extrude approx. 85 ft (26 m) of a 1/4 " (6 mm) diameter bead.

DIRECTIONS

Tools Typically Required:
Utility knife, caulking gun (for 10.1 and 27.9 fl. oz. cartridges).

Safety Precautions:
Wash hands after use.

**Loctite PowerGrab
Construction Adhesive**

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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.

For plastic cartridge: Remove nozzle. Cut the tip off the cartridge just above the threads. Replace nozzle and cut at a 45° angle to desired bead size.

For pressure pack: Pull red cap off of nozzle and remove the white tab. Turn nozzle 90° in a counter-clockwise direction. Press the red lever to dispense product. The bead size and speed of extrusion can be adjusted by using the button on the trigger. To close, turn the nozzle 90° in a clockwise direction and replace red cap on nozzle.

Application:

Apply a continuous bead to one of the surfaces then press material firmly into place within 20 minutes. Repositioning time is approximately 15 minutes, depending on bead size. For larger areas such as panels and drywall, apply adhesive around the perimeter 2" (5 cm) in from the edge and vertically every 12" (30 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 10 grams/cm² or 20 lbs/ft² 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. For exterior use, protect the cured adhesive from sun, rain and snow by painting it or with structural coverings that allow good air circulation.

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 discardable surface. Hardened material may be disposed of with trash.

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	<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>	20 minutes @ 78°F (25°C)
<u>Specific Gravity:</u>	1.29	<u>Dry Time:</u>	24 hours @ 78°F (25°C) and 50% RH
<u>pH:</u>	8.4	<u>Extrusion Rate (ISO 9048):</u>	2750 g/minute
<u>% Solids:</u>	64.5 %	<u>Initial Tack Test:</u>	25 g/cm ²
<u>Viscosity:</u>	5850 Mcps @ 1 rpm		
<u>Flashpoint:</u>	Greater than 203°F (95°C)		

**Loctite PowerGrab
Construction Adhesive**

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- Soundproofing Products • Sonex™ Ceiling & Wall Panels • Sound Control Curtains • Equipment Enclosures • Acoustical Baffles & Banners • Solid Wood & Veneer Acoustical Ceiling & Wall Systems
- Professional Audio Acoustics • Vibration & Damping Control • Fire Retardant Acoustics • Hearing Protection • Moisture & Impact Resistant Products • Floor Impact Noise Reduction
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Cured Performance Properties

<u>Color:</u>	White	<u>Paintable:</u>	Yes
<u>Cured Form:</u>	Non-flammable solid	<u>Sandable:</u>	Yes
<u>Service Temp:</u>	-0.4°F to 122°F (-18°C to 50°C)	<u>Water Resistance:</u>	Yes
<u>Chemical Resistance:</u>	Resistant to gasoline, oils, weak alkalis and acids.	<u>Bond Strength:</u>	See below

German Spec DIN EN 205	Shear Strength, psi (kPa)
<u>Wood to wood</u>	870 to 1160 (5998 to 7998)
<u>Wood to aluminum</u>	870 to 1160 (5998 to 7998)
<u>Wood to PVC</u>	435 to 725 (2999 to 4999)

Using APA AFG-01 test method	Shear Strength (lbs)*
<u>Test A (Wet Lumber)</u> On Douglas Fir	326
<u>Test C (Dry Lumber)</u> On Douglas Fir	467

* Bond area = 1.5 in², 1 mm gap.

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