



# TECHNICAL DATA SHEET

**LOCTITE**  
**POWER GRAB®**  
**Tub Surround**  
**Interior Construction Adhesive**

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## DESCRIPTION

Loctite® Power Grab® Tub Surround Interior Construction Adhesive has been specifically designed to bond most bathroom and shower enclosures. It is unaffected by moisture, steam, water, heat or cold when fully cured. Loctite® Power Grab® Tub Surround has very low odor and requires only soap and water to clean up. It does not require venting like most solvent-based tub surround adhesives. This makes it less messy and safe and easy to use.

## RECOMMENDED FOR:

Bonds most plastic (polystyrene, acrylic, ABS, PVC) bathroom and shower enclosures to waterproof drywall, DenShield® gypsum board, wood, sanded Barker-Tile™ and sanded ceramic tile.

## LIMITATIONS:

- Not recommended for use on unsanded ceramic tile or Barker-Tile, on vinyl covered gypsum board or cement board
- Not to be used for gluing plastic bathroom accessories, such as shelves and soap dishes, to tub surrounds or tile
- Adhesive should only be applied to flat sections of surround. Do not apply adhesive to curved or bent areas
- Do not use adhesive to bond overlapped sections of tub / shower surround

## FEATURES & BENEFITS:

Feature	Benefits
Ultra low VOC content.....	GREENGUARD® approved; qualifies for LEED® points
No etching or burn-through guaranteed.....	No risk of damaging tub surround unit
No venting or flashing required.....	Easy to use, less mess and faster installation
High grab.....	Minimizes slippage of tub surround panels
10 minutes repositioning time.....	Allows for correction of misaligned material
Water-based.....	Low odor and easy soap and water clean-up for uncured adhesive

Item #	Package	Size
1363138	Plastic	10 fl. oz.
1446518	Cartridge	

## COVERAGE

For a 10 fl. oz. cartridge:

- A ¼" (6 mm) bead extrudes approximately 30.6 ft (935 m).
- A 3/8" (9.5 mm) bead extrudes approximately 13.6 ft. (4.1 m).

## DIRECTIONS

### Tools Typically Required:

Utility knife, caulking gun, painter's tape, tape measure, level, square, pencil, drill, hole saw bit and coarse sandpaper.

### Safety Precautions:

Avoid skin contact

**Preparation:**

- 1) Use above 50°F (10°C). Walls must be dry and free of dirt, waxes and soap or other residues. Remove all paint, wallpaper, or any loose materials.
- 2) Existing ceramic tile or Barker-Tile™ must be sanded. Unpainted waterproof drywall is the best backing for tub and shower units. Make sure that corners are 90° from top to bottom.
- 3) Pre-fit all materials. Use the cardboard box that the tub kit came in for your template. Measure the spout and faucet placement onto the cardboard template and make the cutouts. Position the cardboard in place on the wall and check for the correct cutout placement.
- 4) Transfer the markings onto the tub panel.
- 5) Make all the cuts in the tub panel using a hole saw bit in an electric drill. Drill a small starter hole. Make all the cuts from the face or front panel surface to the rear or backing surface. This will prevent chipping.
- 6) Set each tub panel in place in the order suggested by the manufacturer. Limit stressing the tub unit into place as this will weaken the material.
- 7) Use painter's tape to temporarily support the tub panels in place. Make sure the tops of all panels are levelled and all the pieces are aligned.
- 8) Take a pencil to outline the tub panels in their position for gluing.
- 9) Remove nozzle on the Loctite® PowerGrab® Tub Surrounds cartridge. Cut the tip off the cartridge just above the threads. Replace nozzle and cut at a 45° angle to desired bead size.

**Application:**

- 1) For best results, wipe off back of the tub surround with rubbing alcohol. Do not use paint thinner.
- 2) One-piece units must be glued to the wall in one continuous installation. Apply the adhesive in a continuous square "S" pattern, 8" (20 cm) apart only on the flat sections of the tub panels that will closely mate with the existing wall. Place a bead of adhesive 2" (5 cm) from the edge of the panel. When installing on Barker-Tile or ceramic tile, interrupt adhesive bead around the edge frequently to create breathing channels for the inner S-pattern.
- 3) Press the tub panel firmly to the wall within 10 minutes of applying the adhesive. Press over all the adhesive areas. Support the edges with painter's tape and after 20 minutes hand press over all the areas of adhesive again.
- 4) Remove painter's tape after 24 hours. Connect seams of panels according to tub surround manufacture instructions.
- 5) Seal the edges with caulking 24 hours after installation or 4 to 7 days for installation over Barker-Tile or ceramic tiles.
- 6) When installing plumbing fixtures, do not allow plumber's putty to be used where it may touch the polystyrene tub surround material as it may cause damage.

<b>Installing surround to:</b>	<b>Surface preparation</b>	<b>Product application</b>	<b>Painter's tape support</b>	<b>Drying time before sealing</b>
Green drywall, DenShield® gypsum board, exterior grade plywood	Unpainted waterproof drywall is the best backing. Must be dry, dust and dirt-free,	Using a caulking gun, apply product in a continuous "S" pattern 8" apart and 2" from the edge.	24 hours	24 hours
Barker-Tile™	Completely remove glossy surface by sanding with 100 grit sandpaper using a palm sander. Wash off dust with a wet cloth and let dry before installation.	Using a caulking gun, apply product in a continuous "S" pattern 8" apart and 2" from the edge. Frequently interrupt the bead to allow breathing of the inner S-pattern.	24 hours	4 days
Ceramic tile	Sand entire area with 40 grit sandpaper by using a sanding disc. Tiles need to be sanded until gloss is removed and scratches occur. Wash off dust with a wet cloth and let dry before installation	Using a caulking gun, apply product in a continuous "S" pattern 8" apart and 2" from the edge. Frequently interrupt the bead to allow breathing of the inner S-pattern.	24 hours	7 days

**Clean-up:**

Clean tools immediately with soapy water. Clean the surface of the tub enclosure immediately with soapy water. Cured adhesive may be carefully cut away with a sharp-edged tool.

**STORAGE AND DISPOSAL**

DAMAGED BY 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:** Contains rosin esters. Avoid skin and eye contact. May cause allergic reaction. For skin contact wash thoroughly with soap and water. For eye contact flush with water for 15 minutes, call a physician. **KEEP OUT OF 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>	Light grey	<u>Application Temperature:</u>	Apply between 50°F (10°C) and 100°F (38°C)
<u>Appearance:</u>	Thick paste	<u>Open time:</u>	10 minutes @ 78°F (25°C)
<u>Base:</u>	Acrylic co-polymer	<u>Dry time:</u>	24 hours to 7 days @ 78°F (25°C) and 50% RH
<u>Specific Gravity:</u>	1.25-1.35		Dry time is dependent upon the substrates used, temperature and humidity. Lower temperatures and high humidity will increase the dry time.
<u>pH:</u>	8-9	<u>Odor:</u>	Minimal
<u>% Solids:</u>	67%		
<u>Viscosity:</u>	1,000,000 mPa.s		
<u>VOC Content:</u>	2% by weight (24 g/L)		
<u>Shelf Life:</u>	24 months from date of manufacture (unopened)		
<u>Lot Code Explanation:</u>	YYDDD YY = Last two digits in year of manufacture DDD = Day of Manufacture based on 365 days in a year (Lot code stamped on bottom edge of cartridge body near plunger.) For example: 13061 = 61st day of 2013 = March 2, 2013		

## Typical Cured Performance Properties

<u>Color:</u>	Light grey	<u>Shear Strength:</u>	
		Plywood to polystyrene:	130 psi (substrate failure)
<u>Cured Form:</u>	Rubbery solid	Barker Board™ to polystyrene:	130 psi (substrate failure)
<u>Water Resistance:</u>	Yes	<u>Peel Strength:</u>	19 lbf/in
<u>Paintable:</u>	Yes	(High Impact Polystyrene)	
		<u>Certifications:</u>	GreenGuard Certified
			<ul style="list-style-type: none"> <li>▪ Indoor Air Quality</li> <li>▪ Children &amp; Schools</li> </ul>