PL® 700™
Tub Surround Adhesive

DESCRIPTION

LePage® PL® 700™ Tub Surround Adhesive has been formulated to bond to most bathroom and shower enclosures. It is unaffected by moisture, steam, water, heat or cold when fully cured. LePage PL 700 Adhesive has minimal odour 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, safe, easy to use, and environmentally friendly.

Available as:

Item #	Package	Size
2954618	Plastic Cartridge	266 mL
2968149	3-PL 700 & 1-Sealant	4 x 266 mL

FEATURES & BENEFITS

- High initial grab to reduce slippage of panels
- No panel etching or burn through
- 10 minute reposition time allows for correction
- Water based adhesive
- Low odour and easy clean up

RECOMMENDED FOR

LePage PL 700 Tub Surround Adhesive bonds most plastic (polystyrene, acrylic, ABS, PVC) bathroom and shower enclosures to a water resistant tile backer board (not cement board) approved for tub and shower areas, such as DensShield® Tile Backer, sanded Barker Tile™ and sanded ceramic tile.

LIMITATIONS

- One bonding surface must be porous. Will not bond two non-porous substrates
- 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
- Do not use adhesive to bond overlapped sections of tub / shower surround. Connect seams of panels according to tub surround manufacturer's instructions
- Tub surrounds less than 50 mil thickness must be troweled. See "DIRECTIONS" for more information
- Adhesive should only be applied to flat sections of the tub surround.

COVERAGE

For a 266 mL cartridge:

- A 6.3 mm (1/4") bead extrudes approximately 8.4 m (27.6 ft)
- A 9.5 mm (3/8") bead extrudes approximately 3.7 m (12.3 ft)

TECHNICAL DATA

Typical Uncured Physical Properties

Color:	White	VOC Content:	0.1% by weight	CARB
Appearance:	Thixotropic paste (solid)		27 g/l	SCAQMD rule 1168
Base:	Acrylic	Viscosity:	2,000,000 cps	
Specific Gravity:	1.03 - 1.07 (Water = 1)	Freeze-Thaw Stability	Damaged by freezing	

Shelf Life:	24 months from date of manufacture (unopened)
Lot Code Explanation:	YYDDD YY = Last two digits of the year of manufacture DDD = Day of manufacture based on 365 days per year Example: 23038 = February 7, 2023

TECHNICAL DATA

Typical Application Properties			
Application Temperature:	Apply and cure above 10°C (50°F) and below 38°C (100°F)	Odour:	Minimal Acrylic
Open / Reposition Time:	10 minutes*	Clean Up:	Clean up uncured adhesive residue with soapy water. Scrape away cured adhesive using a sharp-edged tool
Cure Time**:	1 to 7 days* at 25°C (78°F) and 50% RH		
Initial Tack:	25 g/cm²		

** Time is dependent upon temperature, humidity, porosity of substrate, and amount of adhesive used*
*** Cure time is significantly increased in cold temperatures and/or high humidity conditions*

Typical Cured Performance Properties			
Color:	White	Service Temperature:	-18.0°C (0°F) to 50°C (122°F)
Cured form:	Rubbery solid	Paintable:	Yes, when fully cured
Water Resistance:	Yes, when fully cured		
Peel Strength:	High Impact Polystyrene	3.3 N/mm (19 lb.-f/in.)	
Shear Strength:	Wood to Polystyrene	0.90 N/mm² (130 psi)	Substrate failure
	Barker board to polystyrene	0.90 N/mm² (130 psi)	Substrate failure

DIRECTIONS

Tools Typically Required:
Utility knife, caulking gun, painter's tape, tape measure, and coarse sandpaper

Safety Precautions:
Wear gloves to avoid skin contact and wash hands after use

General Preparation:
1) Use at a temperature above 10°C (50°F). Walls/bonding surfaces must be dry and free of dirt, grit, waxes, soap, and other residues. Do not apply over paint, wallpaper, vinyl, or loose materials. The choice and preparation of substrate is critical for a smooth, flat finish.
2) Priming over mudded joints or nail holes filled with joint compound on drywall is recommended and should be done, but do not prime the entire wall when using a water based adhesive product
3) Existing ceramic tile or Barker Tile™ must be sanded. Unpainted, waterproof tile backer board that is approved for tub and shower areas is the best backing for tub and shower units. Ensure corners are 90° from top to bottom.
4) Pre-fit all materials. Follow surround manufacturer's instructions for proper installation of their product and for aligning and cutting panels for hardware/plumbing openings.
5) For best results, wipe the back and front of tub surround panels with rubbing alcohol where adhesives or sealants may be applied. Do not use paint thinner or other solvents. Allow the panels to dry before applying adhesive. **Danger:** rubbing alcohol is flammable. Refer to the manufacturer's label and SDS for health and safety instructions. Use in a well-ventilated area away from ignition sources.
6) Cut nozzle at a 45° angle to desired bead size.

Note: Do not remove any protective film on the outside surface of the surround panels until installation is complete. This will help protect the finish from scratching, etc.

Application:
1) One-piece units must be glued to the wall/substrate in one continuous installation. Apply the adhesive in a continuous square "S" pattern, 10.2 cm (4") apart, only on the flat sections of the tub panels that will closely mate with the existing wall. Place a bead of adhesive 5 cm (2") 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.
2) Press tub panel firmly to the wall within 10 minutes of applying adhesive, pressing over all areas adhesive was applied to. Support edges with painter's tape and after 20 minutes hand press again over all areas adhesive was applied to.
3) Remove painter's tape after 24 hours. Connect seams of panels according to tub surround manufacturer's instructions.
4) Seal edges with caulking 24 hours after installation, or 4 to 7 days for installations over Barker Tile™ or ceramic tiles.

DIRECTIONS

Installing surround to	Surface Preparation	Product application	Support with painter's tape	Drying time before sealant application
DensShield® Tile Backer, exterior grade plywood	Unpainted wall surfaces are the recommended backing. Must be dry, dust and dirt-free	Using a caulking gun, apply product in a continuous "S" pattern, 10.2 cm apart and 5 cm from edges	24 hours	24 hours
Barker Tile™	Completely remove glossy surface by sanding with 100 grit sandpaper using a palm sander. Clean off dust residue with a wet cloth and allow to dry before installation	Using a caulking gun, apply product in a continuous "S" pattern, 10.2 cm apart and 5 cm from edges. 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 surface is scratched. Clean off dust residue with a wet cloth and allow to dry before installation	Using a caulking gun apply product in a continuous "S" pattern 10.2 cm apart and 2" from the edge. Frequently interrupt the bead to allow breathing of the inner S-pattern.	24 hours	7 days

For tub surround panels less than 50 mil thickness, follow directions below:

Preparation:
Same as directions above

For tub surrounds less than 50 mil thickness, Henkel has identified the following materials as suitable substrates:

CGC Sheetrock® Panels Ultra Light (Greenboard)
Georgia-Pacific DensShield® Tile Backer
James Hardie HardieBacker® 500 cement board

For information about suitability of other products, contact the Henkel Customer Service Line at 1-800-624-7767

Note: Backer wall panels must be securely mounted to wall studs using appropriate fasteners. Any joints taped and filled with water-resistant joint filler must be sanded smooth and level to the surface. Any surface protrusions must be completely removed. Any imperfections will telegraph through tub surround panels.

Application:

1) Apply adhesive from the cartridge in beads approximately 10.2 cm (4") apart onto the area of the wall that has been clearly marked to show where the panels will be bonded (i.e. mark off with painter's tape).
2) Immediately trowel adhesive out evenly over the entire bonding surface and remove any excess. Use a V-notch or saw tooth trowel designed to apply between 400 – 600 mL per square meter. Do not use a putty knife or spatula for troweling. Suitable trowels are as follows:
   a. V-notch 6 mm x 4 mm x 8 mm (¼" x 5/32" x 5/16")
   b. V-notch 5 mm x 6 mm x 13 mm (3/16" x ¼" x ½")
   c. Saw tooth 3 mm (1/8")

   Note: A 6 mm (¼") saw tooth trowel is not acceptable as an excess of adhesive will be applied which will cause waviness on the finished surface
3) Join pre-cut tub surround panels to the wall and press into place. Using a laminate roller, roll out the adhesive, working from the center of the panels toward edges to ensure uniform contact with the backer wall surface. Only one panel should be adhered at a time. Do not over roll the surface area.

   Note: "Venting" is not required or recommended
4) Allow adhesive to dry for a minimum of 24 hours, after installation is complete, before applying a high-quality tub and tile sealant for finishing the installed panels. Sealant must be maintained throughout the life of the surround to prevent water infiltration behind the panels.

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 & DISPOSAL

PROTECT FROM FREEZING. For best results, store at 21 ± 5°C (70° ± 5°F) in a cool, dry place. Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

LABEL PRECAUTIONS

ATTENTION! Contains crystalline silica. Avoid contact with eyes and skin. Wear protective gloves and safety glasses. If in eyes or on skin, rinse well with water. **KEEP OUT OF THE REACH OF CHILDREN.**

FIRST AID TREATMENT: If swallowed call a Poison Control Centre or doctor immediately.

Refer to the Safety Data Sheet (SDS) 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. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. 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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