



**FLEXLOCK ULTRA  
LOW VOC POLYURETHANE ADHESIVE**

TDS Revision Date (dd/mm/yyyy): 04/08/2021

## TECHNICAL DATA SHEET

**Update:** August 4, 2021  
Make sure you have an updated data sheet on hand.  
Canada and U.S. dial 1-855-847-7767 or (450) 624-1611

**Description:** **FLEXLOCK ULTRA LOW VOC POLYURETHANE ADHESIVE** is one of the strongest polyurethane adhesives on the market. It strongly adheres to concrete pavers, stones, retaining wall, masonry units & bricks. It is especially formulated for overlays, pool copings, steps & wall caps. **FLEXLOCK ULTRA LOW VOC POLYURETHANE ADHESIVE** is designed to provide a permanent bond in 24 hours to the above materials if properly installed.

**Properties:**

PROPERTY	VALUE
Working or open time	Up to 1 hr
Flash point	250°F (121°C)
Shrinkage	None

**Features & Benefits:**

FEATURES	BENEFITS
Low VOC	Environmentally friendly
Low odor	Safe to use indoors or out; For indoors, good ventilation is needed.
Strong and versatile	Permanently bonds together almost anything
High solids	Provides excellent coverage
Non-shrinking	Does not crack or lose bond
High strength	Stronger than many substrates it joins together; up to 3 times the strength of conventional adhesives
Fast curing	Provides permanent overnight bond after 24 hours
Long open time	Offers flexibility in repositioning up to 30 minutes; user friendly
Broad service temperature range	Suitable for use in hot and cold environments
Works above 32°F/0°C	

- For Use On:**
- Overlays & pool copings
  - Steps & wall caps
  - Fire pits (up to 400°F (204°C))
- Concrete pavers & bricks
  - Dry & damp surfaces
  - Permanent bond in 24 hrs
- Retaining Walls
  - Stones

**Application instructions:**

METHOD of application of **FLEXLOCK ULTRA LOW VOC POLYURETHANE ADHESIVE**

To ensure optimal adhesion, make sure that the concrete or stone surfaces are clean and free of any foreign matter. Drying times vary depending on factors such as humidity, porosity, temperature and materials bonded together.

1. Make sure that the surfaces you are bonding together are clean.
2. Cut the spout and puncture a hole in the cartridge with a nail.
3. Using a caulking gun, apply **FLEXLOCK ULTRA LOW VOC POLYURETHANE ADHESIVE** on the clean surfaces.
4. Join the two surfaces firmly, use twisting motion.



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- Please Note:** Material may be repositioned for up to 30 minutes without losing bond strength. Moisture will shorten the open time of polyurethane adhesives. Avoid use when raining or onto standing water.
- Curing time:** **FLEXLOCK ULTRA LOW VOC POLYURETHANE ADHESIVE** forms a tenacious bond overnight. Cure time varies with temperature, humidity, and the porosity of the materials joined.
- Clean up:** Clean all tools and equipment immediately after use with a dry cloth; Cured material must be mechanically removed.
- Composition:** **FLEXLOCK ULTRA LOW VOC POLYURETHANE ADHESIVE** is a high-content polyurethane elastomer that cures by reaction with atmospheric moisture.

**Adhesive strength chart:**

	24hr	7 days
Concrete to concrete	850 psi	1000 psi

**Specifications:** Exceeds ASTM D3498 and ASTM C557

**Coverage:**

<b>FLEXLOCK ULTRA ADHESIVE COVERAGE FOR 1/4" BEAD (APPROX.)</b>			
<b>10 oz. / 296 ml</b>		<b>28 oz / 828 ml</b>	
ft	m	ft	m
28-32	8.5-9.5	79-90	24-27

**Packaging:**

Product	Size	Cartridges per Box	Boxes per Pallet
<b>FLEXLOCK ULTRA LOW VOC POLYURETHANE ADHESIVE</b>	10 oz / 296 ml	12	90
<b>FLEXLOCK ULTRA LOW VOC POLYURETHANE ADHESIVE</b>	28 oz / 828 ml	12	60

**Storage:** Boxes / Pallets have to be stored inside. Store in a cool, dry area away from direct sunlight. The inside storage unit has to be heated during the winter. Storing at elevated temperatures will reduce shelf life.

**Shelf life:** 1 year when properly stored.

**For best performance:**

- Wear gloves during application of adhesive; once cured, material cannot be removed.
- Not intended for applications with continuous submersion.
- If adhesion to a substrate is questionable, a test application must be conducted.
- Make certain that the most current versions of product data sheet and MSDS are being used.
- Proper application is the responsibility of the user.