

Lexel®

TECHNICAL DATA SHEET

Lexel® is the tough elastic sealant for every interior and exterior job. It has superior adhesion to almost any surface, wet or dry, and is instantly waterproof! Lexel is extremely elastic and has 747% maximum joint movement so it won't crack over time, meaning you only need to do a job once. It is paintable, sticks to itself and is crystal clear. In fact, it is 19 times clearer than silicone and won't yellow or get cloudy over time. Best yet, you never have to worry about leaving Lexel in your truck or garage since it is permanently freeze-thaw stable. After all, no one likes to waste a tube of sealant. Lexel truly is the only sealant you need in your toolbox, and it won't let you down.

Where to Use

Lexel is excellent for almost every indoor and outdoor application, including:

Building Materials

- ✓ Asphalt
- ✓ Alkyd stain
- ✓ Brick
- ✓ Canvas
- ✓ Ceramic
- ✓ Concrete
- ✓ Corian®*
- ✓ Drywall
- ✓ EIFS
- ✓ Fiberglass
- ✓ Glass
- ✓ Laminate tops
- ✓ Mortar
- ✓ Paint
- ✓ Porcelain
- ✓ Stone
- ✓ Stucco
- ✓ Tile
- ✓ Vinyl
- ✓ Wood

Metals

- ✓ Aluminum
- ✓ Brass
- ✓ Copper
- ✓ Galvanized steel

Plastics

- ✓ ABS
- ✓ Acrylic sheet
- ✓ Nylon
- ✓ Polycarbonate
- ✓ PVC
- ✓ Duxxbak®*

Where NOT to Use

Adhesion is poor on the following substrates. A test patch is recommended:

- Aquaseal®*
- Cultured marble
- Kynar®* (PVDF)
- Teflon coatings
- Polypropylene
- Polyethylene (using Lexel on polyethylene sill seal is accepted)
- Silicone
- Waxes

Lexel has excellent adhesion on these surfaces, but it can wrinkle them. A test patch is recommended:

- EPDM
- Vulcanized rubber
- TPO

Do not use on:

- Polystyrene foam insulation (Lexel will dissolve it)
- Not for use in areas of prolonged immersion



Application:

Dry Time

Full cure:
1 week (depending on temperature and humidity)

Paintable:
1-2 days with water-based paint
3-4 weeks with oil-based paint

Clean up / Removal

Tools: Mineral spirits or paint thinner
Hands: Citrus-based cleaners

Application Range

0° to 120°F (-18° to 49° C)

Service Range

-30° to 200°F (-34° to 93°C)

- Large beads applied in hot weather (above 95°F) may exhibit slight bubbling. For best results, apply out of direct sunlight.
- Prepare frosty or icy surfaces by cleaning with alcohol.
- If using indoors, make sure the room is well-ventilated.
- Natural shrinkage may

give some joints a concave appearance.

- Multiple applications may be needed to fill the joint flat.
- If dirt or oils are present on the substrate, wash with any household cleaner, rinse to remove and allow to thoroughly dry.
- Remove any old caulk, especially silicone or silicone residue. Use a caulk remover.
- Insert backer rod into joints deeper than 1/2" to provide for proper sealant depth and a stronger, longer lasting seal.
- Cartridge: Gun Lexel into the joint with a caulk gun.
- Squeeze Tube: Squeeze Lexel into the joint.
- Tool for a smoother bead using a caulking tool or a soapy finger and a light, skimming touch.
- Minimum bead size: 1/4". For best results, use 3/8" or larger.

Storage and Clean-Up:

- Clean tools with mineral spirits, paint thinner or citrus-based cleaners.
- Clean hands with citrus-based cleaners.
- Lexel cartridges can be

stored if sealed tightly. Wrap cartridge nozzles tightly with plastic wrap and a rubber band.

- Lexel squeeze tubes can be stored by tightly replacing the cap.

Description	Case Pack	Item #	Item UPC
5 OZ. Clear	12	13013	031525130132
5 OZ. White	12	13033	031525130330
10.5 OZ. Clear	12	13010	031525130101
10.5 OZ. White	12	13030	031525130309
5 OZ. White - VOC	12	13043	031525130439
5 OZ. Clear- CA Only	12	13017	0315250130170
10.5 OZ. White - VOC	12	13081	031525130804
10.5 OZ. Clear - VOC	12	13090	031525130903

Typical Properties:

PROPERTY	VALUE
Colors	Clear & White
Packaging	10.5 oz. plastic cartridges, 5 oz. squeeze tubes
Paintability	With latex paint/stain after 24-48 hours or oil-base paint/stain after 3-4 weeks
Coverage	Cartridge; 32 lineal feet (with 1/4" bead) Squeeze tube; 15 feet
Joint Size	Maximum 2"
Clarity (NTU)	< 13
Application Range	0°F to 120°F (-18°C to 49°C) surface temperature
Service Range	-30°F to 200°F (-34°C to 93°C)
Freeze-thaw Stability	Won't freeze
Tensile Properties	Recovery at 50% stretch: 96% in 1 minute Recovery at 100% stretch: 96% in 1 minute
VOC	Clear ¹ & White ^{3,4} Cartridge: ≤380 g/L, <43 wt% Clear ² & White ^{3,4} Squeeze Tube: ≤410 g/L, <47 wt% White Lower VOC Cartridge ³ & Squeeze Tube ³ : ≤40 g/L, <4 wt% Clear Lower VOC Squeeze Tube: ≤380 g/L, <43 wt%

Shelf Life 5 years

TEST DATA:

PROPERTY	RESULTS	TEST METHOD
Durability	50% total joint movement (10 cycles @ -15°F/-26°C)	ASTM C719
Hardness, Shore A	25 (21-day cure)	ASTM C661
Slump	< 1/8"	ASTM D2202
Solids	46-58% by weight depending on product	ASTM C1250
Extrusion Rate	80 g/min (1/8" orifice at 40 psi)	ASTM C603
Cured	1 week (dependent on temperature, humidity and bead size/thickness)	ASTM C679
Low Temp. Flexibility	Pass (-5° F / 20° C)	ASTM C793
Adhesion-in-peel Passing Substrates	See "ADHERES TO" section	ASTM C794
Tack-free	Less than 30 minutes	
Perm Rating	0.01 perms	ASTM E96 (1/4" bead)

SPECIFICATIONS:

• Meets ASTM C920 Class 50 requirements.** +

**ASTM C793 tested at -5°F/-20°C

• Meets FHA requirements.

• Class 1 Vapor Barrier (at 1/4" bead)

The data reported here are believed to be reliable. No warranty is made concerning their accuracy or the results obtained from their use.

* All reported test data is for Lexel clear cartridge

1 Clear Cartridge sold in all 50 US states and Canada.

2 Clear Squeeze Tube not for sale in California. Clear Squeeze Tube Lower VOC required in California.

3 All White products not for sale in California.

4 White Cartridge and White Squeeze Tube not for sale in CT, DC, DE, IL, IN, MA, MD, ME, MI, NH, NJ, NY, OH, PA, RI, UT (select counties), VA (select counties), VT, and Canada. White Cartridge Lower VOC and White Squeeze Tube Lower VOC required in these areas.

Plastics not listed should be tested for compatibility before use. *Aquased[®], Kynar[®] and Duxxbak[®] are registered trademarks of their respective owners.

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