



TECHNICAL DATA SHEET



QUAD[®] Invisible Window, Door & Siding Sealant

Description: LePage QUAD Invisible Window, Door & Siding Sealant all-season formula delivers superior performance on exterior window, door and siding applications. It offers all the great benefits of LePage QUAD in a crystal clear Invisible formula, perfect for finishing work around stone, brick and other fine building materials. LePage QUAD Invisible can be applied to wet or dry surfaces, even at freezing temperatures. LePage QUAD Invisible resists dirt & dust collection, yellowing and water washout, is self-tooling and is paintable with either latex or oil-based paints once cured. LePage QUAD Invisible is composed of elastomeric polymers and high quality synthetic resins. This product offers the superior adhesion characteristics and unmatched elasticity found in high performance sealants. It yields a tough, rubbery seal which resists outdoor weather-related elements like water, oxygen, ozone, heat and UV light. The formula skins over in a short time to resist dirt and dust pickup. It goes on smoothly and has easy cut-off without stringing. When cured, the surface displays a slight sheen similar to some silicone.

Available As:

Item #	Size	Package	Color
1880786	280 ml	Plastic Cartridge	Clear

Features & Benefits:

- Clear "Invisible" Formula
- All-Weather Performance: -7°C to 38°C
- Resists Dirt & Dust Collection
- Paintable
- UV and Water Resistant
- Permanently Flexible
- Self-Tooling

Recommended For:

Sealing around exterior windows and doors, fiber-cement and vinyl siding, PVC trim, roofing and gutters. It bonds without a primer to most common substrates like cedar, painted or stained woods, fiberglass, vinyl, coated aluminum, steel, metal, brick, stone and concrete.

For Best Results:

- Do not use for sealing expansion joints, including butt joints
- Not compatible with polystyrene foams and polypropylene or polyethylene plastics
- Do not use in applications requiring continuous water immersion
- Do not use as a traffic bearing sealant, on log homes or inside occupied structures
- For best results, should not be used in applications less than 1/4" in depth in order to maintain the integrity of the sealant
- Do not use to fill nail holes
- For joints deeper than 9.5 mm (3/8"), a backing material should be used
- Tooling, feathering or smearing of the sealant is not necessary or recommended

Coverage:

For a 280 ml cartridge:

- A 6 mm (1/4") bead extrudes approximately 8.9 m (29.1 ft)
- A 9.5 mm (3/8") bead extrudes approximately 4 m (13.3 ft)



TECHNICAL DATA SHEET

Typical Uncured Physical Properties:

Color:	Clear and colorless	
Appearance:	Lump-free paste	
Base:	Elastomeric polymers and synthetic resins	
Odor:	Solvent	
Specific Gravity:	0.927	
Flash Point:	26.7° C (80° F) Uncured product is flammable	
% Solids by Weight:	65%	
VOC Content:	<35% by weight	CARB
	<340 g/l	SCAQMD rule 1168
Shelf Life:	24 months from date of manufacture (unopened)	
Lot Code Explanation:	YYDDD	
Printed on cartridge body	YY= Last two digits of year of manufacture DDD= Day of manufacture based on 365 days in a year Example: 14061 = 61 st day of 2014 = March 2, 2014	

Typical Application Properties:

Application Temperature:	Apply between -7°C (20°F) and 38°C (100°F) For low temperature extrusion, store cartridge at room temperature at least 24 hours prior to use	
Skin Formation/Tooling Time:	4 to 6 minutes*	At 22°F and 70% relative humidity
Tack Free Time:	Approximately 8 hours*	
Cure Time:	7-14 days or longer*	
	*Time is dependent on temperature, humidity and depth of sealant applied	
Extrusion force:	75 lbs	At 22°C
Boeing Sag (15 min):	0.20 inches	At 22°C

Typical Cured Performance Properties:

Color:	Clear and colorless	
Service Temperature:	-29°C (-20°F) to 93°C (200°F)	
Water Resistant:	Yes	
Paintable:	Yes, after sealant is fully cured	
Shrinkage:	26%	
Hardness:	40	Shore A
180° Peel Adhesion:	ASTM C794	
Vinyl siding:	3.0 N/mm (17 pli)	
Elongation:	1250%	ASTM D412 Die C
Specifications:	Meets the performance requirements of: <ul style="list-style-type: none">• ASTM C 920: Type S, Grade NS, Class 25, Use NT	



TECHNICAL DATA SHEET

Directions:**Tools Typically Required:**

Utility knife and caulking gun. For best application results, use a high quality caulk gun.

Safety Precautions:

Do not use inside occupied structures. Wear gloves and wash hands after use.

Preparation:

Apply sealant between -7°C (20°F) and 38°C (100°F). For easier extrusion of sealant at lower temperatures, the material should be kept at room temperature 24 hours prior to use. All surfaces must be clean, dry and free of old caulk, grease, dust, ice, snow, surface water and other contaminants. Insert cartridge into caulking gun, apply moderate pressure in order to break the Break-A-Way Seal™ inside the nozzle. Cut the tip off the cartridge at a 45° angle to desired bead size (3/8" is recommended).

Application:

Using a caulking gun, apply sealant with steady pressure, forcing the sealant into the joint. If the depth of the joint exceeds 9.5 mm (3/8") the use of a backer rod is recommended. LePage QUAD Invisible will not pop or splatter and will dispense smoothly on extrusion from the cartridge. Tooling of the sealant is not necessary or recommended. Do not feather or smear sealant. Sealant is paintable when fully cured. Full cure may take 7 - 14 days or longer depending on ambient conditions and volume of sealant used. Latex paint is recommended. If using oil based/alkyd paint, a latex primer should be used first.

Clean-up:

Clean tools and uncured sealant residue immediately with mineral spirits or paint thinner. Cured sealant must be carefully cut away with a sharp-edged tool.

Storage & Disposal:

NOT DAMAGED BY FREEZING. Store 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:

DANGER. FLAMMABLE. IRRITANT.

FUMES MAY CATCH FIRE AND MAY BE HARMFUL. MAY IRRITATE EYES AND SKIN. FLAMMABLE. Do not smoke. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Do not get in eyes or on skin or clothing. Do not breathe fumes. Do not swallow. **KEEP OUT OF THE REACH OF CHILDREN. FIRST AID TREATMENT:** Contains xylene and mineral spirits. If swallowed, call a Poison Control center or doctor immediately. Do not induce vomiting. If in eyes or on skin, rinse well with water. If breathed in, move person to fresh air.

Refer to 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.



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