



TECHNICAL DATA SHEET



2 in 1 Seal & Bond Exterior

Description: LePage 2 in 1 Seal & Bond Exterior sealant has the strength of an adhesive PLUS the premium flexibility of a sealant. Rain Guard™ technology allows uncured sealant to resist washout due to early rain exposure. The mold and mildew resistant sealant is water and wind tight and paintable after 24 hours.

Available As:

Item #	Size	Package	Color
1427204	295 ml	Plastic Cartridge	White

Features & Benefits:

- Possess Both Bonding and Sealing Capabilities
- Rain Guard Technology Resists Wash-Out Due to Early Rain Exposure
- Mold and Mildew Resistant Seal
- Permanently Flexible
- Paintable
- Ultra Low VOC Content
- Low Odor, Non-Flammable and Environmentally Friendly

Recommended For:

LePage 2in1 Seal & Bond Exterior was developed primarily for sealing around exterior window and door frames, sill plates, electrical and plumbing penetrations and other areas where water and air can infiltrate. It is ideal for sealing gaps and cracks found on the interior of the home. It works well along baseboards, floors, wall to floor joints, around window and door frames, ceiling to wall joints and any other crack or gaps found in and around the home. It also works well on vinyl, aluminum and fiber cement siding, brick, concrete, metal, and adheres to all types of wood, drywall, plaster, plastic moldings, tile and more.

For Best Results:

- Not suitable for underwater applications or permanent water immersion
- Apply and store between 5°C (40°F) and 38°C (100°F)
- Do not use below water line, on mirrors, in aquariums
- Not for exterior use when freezing conditions are expected within 24 hours of application
- Do not use on architectural joints, joints subject to heavy abrasion or wear or tuck pointing
- Do not use on joints deeper than ¼" (6 mm) without use of a backer rod
- Not suitable for butt joint applications
- Not suitable for application on unfinished or unprimed fiber cement (Fiber cement must be primed or have a factory finish before application)

Coverage:

For a 295 ml cartridge:

- A 1/4" (6 mm) bead extrudes approximately 9.3 m (31 ft)
- A 3/8" (9.5 mm) bead extrudes approximately 4.2 m (14 ft)



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Typical Uncured Physical Properties:

Color:	White	
Appearance:	Non-slumping paste	
Base:	Acrylic/Urethane Latex	
Odor:	Mild acrylic odor	
Specific Gravity:	1.22	
Flash Point:	>93°C (>200°F)	
VOC Content:	< 0.3% by weight	CARB
	< 41 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 5°C (41°F) and 38°C (100°F)	
Open/Tooling Time:	5 minutes*	
Tack-Free Time:	10 to 20 minutes*	
Cure Time:	1 to 14 days*	
	*Times are dependent on temperature, humidity, porosity of surface bonded and thickness of sealant applied	
Extrusion:		5/16" opening @ 5 in/min
	At 23°C (73°F):	15.9 kg (35 lb)
	At 49°C (120°F):	7.2 kg (16 lb)
Sag or Slump:		ASTM D 2202
	At 23°C (73°F):	1.2 mm (0.05")
	At 49°C (120°F):	1.0 mm (0.04")

Typical Cured Performance Properties:

Color:	White	
Cured Form:	Non-flammable solid	
Service Temperature:	-26°C (-15°F) to 77°C (170°F)	
Water Resistant:	Yes	
Paintable:	Yes, after 24 hours	
Hardness:	Approx. 24	Shore A
Tensile Shear Strength:		ASTM D 412
	5 day cure @ 23°C (73°F)	0.64 ± 0.10 N/mm ² (93 ± 14 psi)
	30 days @ 50°C (122°F)	2.70 ± 0.02 N/mm ² (392 ± 3 psi)
Elongation at Break:		ASTM D 412
	5 day cure @ 23°C (73°F)	666 ± 37%
	30 days @ 50°C (122°F)	345 ± 23%
180° Dry Peel Adhesion:		ASTM C 794
		21 day cure, no water immersion
Vinyl Siding	0.57 ± 0.09 N/mm (7.2 ± 0.5 pli)	
Aluminum Flashing (coated)	2.0 ± 0.21 N/mm (11.6 ± 1.2 pli)	
Primed Fiber Cement	0.91 ± 0.23 N/mm (5.2 ± 1.3 pli)	
Pine	1.5 ± 0.30 N/mm (8.3 ± 1.7 pli)	
OSB (glossy side)	1.8 ± 0.72 N/mm (10.4 ± 4.1 pli)	
Azek™ Trim	0.37 ± 0.16 N/mm (2.1 ± 0.9 pli)	
Movement Capability:	± 25%	



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Directions:**Tools Typically Required:**

Utility knife, caulking gun

Safety Precautions:

Wear gloves

Preparation:

The temperature of the product, the surfaces and the working area must be above 5°C (41°F). For best performance, apply sealant at 21°C (70°F). Ensure surfaces to be sealed are clean, dry, structurally sound and free of dust, grease, oil, and other foreign contaminants. Concrete or block walls must be well cured, dry and free of any release agents. Cut off tip of cartridge at a 45° angle to desired bead size (3/8" recommended).

Application:

Using caulking gun, apply sealant with steady pressure forcing it into joint. Tool bead immediately using a wet finger or tool. Allow to dry 24 hours before painting. The drying time depends on temperature, humidity, and thickness of sealant applied. High humidity or low temperatures will increase the drying time.

Clean-up:

Clean tools and uncured product residue immediately with warm, soapy water. Cured sealant may be carefully cut away with a sharp-edged tool.

Storage & Disposal:

PROTECT FROM FREEZING. Store in a cool, dry location at room temperature. For maximum shelf life store at 24°C (75°F). To dispose of any unwanted product, use an approved hazardous waste facility for disposal. Hardened material may be disposed of with trash.

Label Precautions:

Do not swallow. Do not get in eyes or on skin. **KEEP OUT OF REACH OF CHILDREN.**

Refer to Material Safety Data Sheet (MSDS) for further information.

Disclaimer:

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