



TECHNICAL DATA SHEET

Revision: April 21, 2020
Supersedes: December 2, 2013
Ref. #: 518327



PL® GreenSeries™ Draft & Sound Interior Sealant

Description: LePage® GreenSeries™ Draft & Sound Interior Sealant is a non-flammable, latex-based sealant specially designed to reduce sound transmissions and drafts in all types of wall systems where a sound-rated assembly is required. Its primary function is to achieve and maintain the specific STC (Sound Transmission Class) value of the system designed. The paintable sealant remains flexible and adheres firmly to wood, metal studs, concrete, gypsum board and most other building materials. The easy-to-use sealant cleans up easily with soap and water.

Available As:

Item #	Size	Package
1469493	825 ml	Paper Cartridge

Features & Benefits:

- Designed for Use on Sound-Rated Wall Systems
- Reduces Draft & Sound Transmission
- Water-based Sealant, Non-flammable and environmentally friendly
- Permanently flexible
- Easy cleanup with water
- Low odour
- Paintable

Recommended For:

Developed primarily for commercial construction utilizing light weight cavity walls and floor systems. Used for exposed and unexposed applications at perimeter joints, floor and ceiling runners, cutouts in gypsum board, veneer plaster systems and other areas where a sound rated assembly is required. Sealant can also be applied or buttered around all electrical boxes and outlets, cold air returns, heating and air conditioning ducts and other utility equipment penetrating wall surfaces for increased acoustical performance. Works well for sealing sill and base plates in residential construction. For use in accordance with ASTM C919 (Standard Practice for Use of Sealants in Acoustical Application).

Limitations:

- Not for use in applications where water immersion is possible or in areas where moisture, frost or condensation can occur
- Do not use in applications requiring temperature resistance greater than 170°F
- Do not use on metals that will corrode. Use around certain metals may cause discoloration to occur such as copper
- Consult with manufacturer of adjoining materials for compatibility, including PVC and CPVC materials
- Not recommended for bonding two non-porous surfaces
- Not recommended for use with polyethylene, polypropylene, polytetrafluoroethylene (PTFE)/Teflon® or nylon
- Not recommended for installing vapour barrier sheeting

Coverage:

For a 825 ml cartridge:

- A 6 mm (1/4") bead extrudes approximately 26 m (86 ft)
- A 9.5 mm (3/8") bead extrudes approximately 11.6 m (38 ft)



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Typical Uncured Physical Properties:

Color:	White	
Appearance:	Non-slumping paste	
Base:	Synthetic Latex	
Odor:	Mild acrylic odor	
Specific Gravity:	1.59	
Flash Point:	Not Applicable	
VOC Content:	0.9% by weight	CARB
	45 g/l	SCAQMD rule 1168
Freeze-Thaw Stability	3 Freeze/Thaw Cycles maximum - Unaffected by freezing once cured	
Shelf Life:	24 months from date of manufacture (unopened)	
Lot Code Explanation:	YYDDD	
Stamped on bottom edge of cartridge body	YY= Last two digits of year of manufacture	
	DDD= Day of manufacture based on 365 days in a	
Example:	18061 = 61st day of 2018 = March 2, 2018	

Typical Application Properties:

Application Temperature:	Adhesive should be above 5°C (41°F) and below 35°C (95°F) for best performance	
Open Time:	15 minutes*	@25°C (78°F) and 50% R.H
Tack Free Time:	30 minutes*	@25°C (78°F) and 50% R.H
Cure Time:	2 to 7 days or longer*	
	*Time is dependent on temperature, humidity, porosity of substrate and amount of adhesive applied. Cure time is greatly reduced in cold temperatures	
	Cure time is significantly increased in cold temperatures and/or low humidity conditions	
Clean Up	Clean tools and uncured adhesive residue immediately with warm water and soap. Cured sealant may be carefully cut away with a sharp-edged tool.	

Typical Cured Performance Properties:

Color:	White	
Cured Form:	Non-flammable solid	
Service Temperature:	-5°F (-21°C) to 170°F (77°C)	
Water Resistant:	Yes	
Paintable:	Yes, after 24 hours	
Surface Burning Characteristics:	Flame Spread Index: 0	ASTM E 84
	Smoke Development: 0	Inorganic reinforced cement board
Sound Transmission Class:	Unsealed partition: STC = 15	ASTM E 90
	Single bead of sealant used at top and bottom runners only – both sides of the partition system: STC = 24	
	Single bead of sealant used at top, bottom and perimeter joints – both sides of the system: STC = 45	
	Double Bead of Sealant used at top, bottom all perimeter edges - both sides of partition system: STC = 55	
Low Temperature Flexibility After Artificial Weathering:	Pass with no cracking or adhesion loss	ASTM C734
Consistency Test:	300	ASTM D217
180° Peel Adhesion:	<u>Aluminum:</u>	10.0 pli
	<u>Wood:</u>	8.0 pli
		ASTM C794 7day cure @ 73°F & day cure @ 122°F



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Specifications:

Tested to or conforms to:

- ASTM C834 – Standard Specification for Latex Sealants
- ASTM E84, Class A – Standard Test Method for Surface Burning Characteristics of Building Materials (Tested at UL under research project)
- ASTM E90 – Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- ASTM C919 – Standard Practice for Use of Sealants in Acoustical Applications
- ASTM D217 – Standard Test Methods for Cone Penetration of Lubricating Grease
- UL 1479 – Standard for Fire Tests of Penetration Firestops
- UL 2079 – Standard for Tests for Fire Resistance of Building Joint Systems

Directions:

Tools Typically Required:

Utility knife, caulking gun and tool to puncture inside seal of cartridge.

Safety Precautions:

Wear gloves.

Preparation:

The temperature of the product, the surfaces and the working area must be above 4°C (40°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. Cut off tip of cartridge at a 45° angle to desired bead size (3/8" recommended). Puncture inside seal of cartridge.

Application:

Sealant should be applied as specified in the sound-rated system being installed (either wood or metal studs). Sealant must be applied in accordance with ASTM C 919. Maximum joint size should not exceed 5/8" (15.9 mm) width x 1/2" (12.7 mm) depth. If necessary, sealant can be painted as applicable to meet project requirements after 24 hours.

Bottom and Top Runners:

Apply a continuous 3/8" (9.5 mm) round bead of sealant on runners before setting gypsum board. Press gypsum board firmly into sealant, ensuring complete contact with adjacent materials. Fill joint on top runners to complete the seal. Repeat procedure for double-layer applications.

Cut-Outs and Perimeter Joints:

Backs of electrical boxes, pipes, duct systems and other types of utility equipment penetrating wall surfaces shall be buttered with sealant. Seal all joints at perimeter edges including abutting surfaces and corner joints.

For further application information, refer to ASTM C919 - Standard Practice for Use of Sealants in Acoustical Applications

Clean-up:

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

Storage & Disposal:

DAMAGED BY FREEZING. Store in a cool, dry location at room temperature. For maximum shelf life store at 24°C (75°F). Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

Label Precautions:

CAUTION! POISON! FUMES MAY BE HARMFUL. MAY CAUSE SKIN AND RESPIRATORY SENSITIZATION. Do not use if you have chronic lung or breathing problems or if you have ever had a reaction to isocyanates. Do not swallow. Do not breathe fumes. Use only in a well ventilated area. Wear gloves. Wear appropriate respiratory protection for prolonged use. **KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: Contains petroleum distillates. If swallowed, call Poison Control Centre or doctor immediately. If on skin, wipe away immediately. If hardened, do not peel. If breathed in, move person to fresh air.

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



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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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