



Product Description

POLY-CAULK® PX15 SL is an elastomeric, one-component, self-leveling, non-bubbling, premium-grade polyurethane sealant specifically developed to be used as a multi-purpose horizontal joint sealant. The product is a moisture cure sealant with excellent adhesive properties and resistance to aging and weathering.

Typical Uses

POLY-CAULK® PX15 SL is used to seal horizontal joints in concrete, such as sidewalks, balconies, pavement, terraces, warehouses, factories, civil structures, plazas, and runways. POLY-CAULK® PX15 SL may also be used as a pitch pan sealant.

Features

- One-component, no mixing.
- Self-leveling.
- Non-bubbling formula can be applied in green or damp concrete.
- Movement capacity of +/-25%.
- Accelerated curing.
- Highly resistant to fuels, including jet fuel.
- Resistant to incidental exposure to ethanol.
- Permanently elastic.
- High durability.
- Resists aging and weathering.
- Excellent adhesion.
- Convenient, easy-to-use packaging.
- Low VOC content.

Color

Gray

Packaging

20 Oz. (592 mL) Sausages (12/Carton)

10.1 Oz. (300 mL) Cartridges (12/Carton)

Surface Preparation

Clean all surfaces. Joint walls must be sound, clean, dry, frost-free, and free of all oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed. Install bond breaker tape to prevent bond at base of joint. When applying to green concrete, wait 24 hours after forms have been removed. Concrete can be damp during application, but do not apply when standing water is in or near joints.

Shelf Life

When stored indoors and in original, unopened containers at temperatures between 40° - 95° F (4° - 35° C), shelf life is one year from date of manufacture, except for pails and drums, which have a shelf life of six months.

Technical Data (Based on Draw Down Film)

Tensile Strength, ASTM D412	180 psi 1.23 MPa
Elongation, ASTM D412	785%
Tear Strength, ASTM D624	33 pli 5.8 kNm
Shore A Hardness, ASTM C661	30±5
Movement Capability, ASTM C719	±25
Weathering Resistance, ASTM C793	Excellent
Stain and Color Change, ASTM C510	Pass
Application Temperature	41° - 104°F (5° - 40°C)
Service Range	-40° to 180°F (-40° to 82.2°C)
Rheological Properties, ASTM C639	Pass
Peel on Aluminum-Dry, ASTM C794	25 pli, c.f.
Peel on Glass-Dry, ASTM C794	26 pli, c.f.
Peel on Concrete Mortar-Dry, ASTM C794	24 pli, c.f.
Paint Compatibility	Water-Based Compatible Check for Solvent-Based Compatible
VOC Content	47 g/L

Coverage

This chart shows the approximate number of lineal feet that can be sealed per gallon.

		Width of Joint						
		1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
Depth of Joint	1/4"	308	205	154	122			
	3/8"				82	68	58	51
	1/2"					51	44	38

When estimating, figure 5 cartridges/gal. (2 cartridges/1.5 L).

Cubic inches/gal. – 231 (1000 cm³)

Cubic inches/cartridge – 50 (825 cm³)

For triangular cross-section joints:

1/4" (6.35 mm) each side – 616 linear ft./gal. (49.6 m/L)

1/2" (12.7 mm) each side – 154 linear ft./gal. (12.4 m/L)

3/4" (19.1 mm) each side – 68 linear ft./gal. (5.5 m/L)

Specifications/Standards

- ASTM C 920-11, Type S, Grade P, Class 25, Use T1, T2, NT, M, G, A, I, O.
- Conforms to BS 5212 for determination of resistance to heat, aging, and fuel immersion.
- Federal Specification TTS-00230C, Type 1, Class A
- Approval/Standards Conform to 1S0 11600 F 25 HM
- USDA compliant for use in areas that handle meat and poultry

Priming

Priming is not usually necessary. Substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure.

Application

Condition material to 65° - 75° F (18.3° - 23.9° C) before using. Sealant should be installed when joint is at mid-range of anticipated movement. Gun sealant into joint opening in one direction and allow sealant to flow and level out as necessary. Tool as required; minimum tooling is necessary. Joint dimensions should allow for ¼" (6.35 mm) minimum and ½" (12.7 mm) maximum thickness for sealant. Proper design is 2:1 width-to-depth ratio. Always use bond breaker tape for support on horizontal joints.

Cleanup

Application tools can be cleaned with toluene or xylene before curing. Afterwards, mechanical cleaning will be required. Check local, state and federal laws before disposing of material.

Precautions

Allow one-week cure at standard conditions when used in total water immersion applications. Maximum exposure level of chlorine is 5 ppm. Do not cure in presence of curing silicone sealants. Avoid contact with alcohol and other solvent cleaners during cure. POLY-CAULK® PX15 SL is not resistant to ethanol in fully submerged or continual soaked conditions. Maximum depth of POLY-CAULK® PX15 SL should be ½" (12.7 mm). Do not use caulks, sand, or incompressibles as a bottom in a joint. Do not install when rain is expected before the product develops a substantial skin. Storing at elevated temperatures will reduce shelf life.

Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data, instructions, and project specific recommendations.

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products' current published physical properties. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

Disclaimer: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests accurately represent all environments. Polycoat Products is not responsible for typographical errors. © 2024 Polycoat Products. All rights reserved. Revision 20241105.JC