



Polyflex™ CC-346

One-Part Polyurethane Sealant/Adhesive

Description:

Polyflex™ is a non-sag elastomeric adhesive sealant, one component polyurethane-based, high quality, moisture cured, designed to seal all types of structural joints, joints between dissimilar building materials, architectural or marine.

Meets requirement for:

- TT-S-00230C, Type II, Class A
- ASTM C-920, Type S, Grade NS, Class 35
- NSF/ANSI Standard 61 for potable water

Product Advantages:

- Application with regular caulking gun.
- Excellent adhesion to surfaces.
- Great durability and strength.
- Maintains a high elasticity.
- For use in horizontal and vertical.
- Moisture-cured, water resistance.
- Paintable with water or alkyd based paints.
- UV and aging resistant.
- For immersion applications.
- Approved for use with potable water.
- 400 % elongation approx.

Performance:

Tear Strength: ASTM D-624	55 lb./in. 9.0 kg/cm
Elongation at break: ASTM-D412	550% approx.
Shore A Hardness: ASTM-D2240	21 days 40±5

Uses:

Polyflex™ is designed to seal all kinds of cracks or joints in concrete walls, floors and ceilings that do not exceed a depth of 1/2" (12.7mm). Excellent for use as adhesive and sealant in vertical and horizontal joints in materials such as concrete, wood, glass, cement, steel, metal, fiberglass or aluminum. Designed for joints in concrete with a maximum ratio of 2:1 (width : depth) and common roofing detail applications. For use in materials that require to compensate differences in modulus of elasticity and coefficient of expansion, including applications in the marine market.

Product Data:

Product Type:	Polyurethane NS	
Color:	White, Gray, Black	
Density:	10. 18 lb/gal. (1.22 kg/l) approx.	
Drying time:	To touch: 3 to 6 hours Final Cure: 4 to 7 days	
Tear Strength: ASTM D-624	55 lb./in. (9.0 kg./cm)	
Tensile Stress: ASTM D-412	175 psi (14 kg/cm ²)	
Elongation at break: ASTM D-412	550%	
Modulus of Elasticity: ASTM D-412	25% 35 psi	50% 60 psi
	100% 85 psi	
Shore A Hardness: ASTM C-661, 21 days	40 ± 5	
VOC:	40 g/L	

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.
S.D.S.: Available upon request.

Coverage:

Joint size in inches.

		Depth	
		1/4"	1/2"
Width	1/4"	24.8'	
	1/2"	12.4'	6.1'
	3/4"	8.1'	4'
	1"	6.1'	3'

Linear feet of sealant per 10.1 fl.oz.

Application Method:

Polyflex™ is packed ready to use. Cut the nozzle diagonally and break the protective film. Use a caulking gun Lanco® PA575 ". Place masking tape on both sides of the joint to avoid staining the surface. Place nozzle of gun into bottom of the joint, fill with sealant trying to keep the nozzle tip out and with a steady flow of sealant preceding the nozzle during the application. Apply pressure and smooth with a spatula or finger. Remove the tape immediately and finish smoothing the product if necessary. The tools are washed with warm soapy water while the product is still fresh. Coverage, a Polyflex™ cartridge seal 24.8 linear feet at a joint of 1/4" wide x 1/4" deep. A closed cell backer rod is recommended for moving joint applications.

Surface Preparation:

The surface and edges of the joint must be sound, clean, dry and free of oil, grease or other contaminants that may prevent adhesion. It is recommended to clean the joint by suitable mechanical means (grinding wheel), avoiding contamination. In moving joints, insulate the bottom of the joint with a backer rod to prevent the sealant from sticking, so that the depth of the joint is not greater than recommended. For a cleaner work, cover with tape the edges of the joint. To meet the form factor ratio, you should fill the bottom with a suitable preformed backing rod.

Other Recommendations:

Precautions: Preferably use entire contents of the cartridge on the same day.

- Polyflex™ should cure for at least seven days when used to seal joints in immersion.
- In moving joints, apply the mastic when the joint is in the midpoint of its regular movement.
- Polyflex™ should not be applied to depths greater than 1/2" (12 mm) or joints over 1" (25 mm) wide.
- Avoid contact with alcohol or other solvents during curing time.
- During the sealant application avoid getting trapped air bubbles.

Security measures: Provide adequate ventilation in the areas of application. In case of contact with skin wash immediately with soap and water, immediately remove contaminated clothing and do not let the product to dry. In case of contact with eyes, rinse immediately with plenty of water for 15 minutes and seek with doctor promptly. If swallowed, do not induce vomiting and seek medical advice immediately. For more information and in case of spills see safety data sheet (SDS). Storage: Fifteen (15) months in a cool, dry place indoors in its original sealed packaging.

Notice: To our knowledge, the technical information contained herein are accurate and correct. Published technical information and instructions are subject to change without notice. It is your responsibility to carry out the tests necessary for proper use and application. For specialized applications or when questions arise regarding the use or application of this product, consult Lanco. www.lancopaints.com

Danger/Warning:

Danger! Contains titanium dioxide (CAS: 13463-67-7), xylene (CAS: 1330-20-7), ethyl-benzene (CAS:100-41-4), Quartz (SiO₂) (CAS: 14808-60-7), aromatic polyisocyanates (CAS: 53317-61-6), Carbon black (CAS: 1333-86-4), 4,4'-methylenediphenyl diisocyanate (CAS: 101-68-8). May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause cancer. Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

Warning: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known in the State of California to cause birth defects or other reproductive harm. HMIS: *3, 0, 0, X. VOC: 40 g/l. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.

If on skin: Wash with plenty of soap and water.

If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If exposed or concerned: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Store locked up. Dispose of contents/ container to an approved waste disposal plant. Keep container tightly closed. Keep out of reach of children. Not for internal consumption. For industrial use only. For professional use only.

40 Year limited warranty: Satisfaction guaranteed. If product cracks, peels or separates during period of guarantee when used as directed, return sales receipt and used container to Lanco® Mfg. Corp. for product replacement. The seller will not accept liability for more than product replacement or purchase price.

Limitations & more information:

Read Safety Data Sheet prior to use.

Go to www.lancopaints.com.

Protect from freezing.

