

POLYKEN® 1027

Product Information

Product description: Polyken® liquid adhesive systems are recommended for use with only Polyken® coating systems. The liquid adhesive systems consist of butyl based elastomers blended with polymeric resins dissolved in an organic solvent system. They can be used for machine or hand brush applications and provide excellent adhesion to the pipe substrate and cathodic disbondment resistance.

Liquid adhesive system is ideal for hand brush application to rough, reconditioned, or grit-blasted pipe surfaces. It provides a uniformly smooth, instant tack surface for Polyken® coating systems.

Caution:

- Store away from heat source. Read all label instructions prior to use.
- Properly stored, all Polyken® liquid coating systems have a shelf life of 3 years. Please request an application specification and storage guideline from Seal For Life.
- Polyken® liquid adhesive systems are FLAMMABLE MIXTURES.

Features:

- Excellent adhesion
- Excellent cathodic disbondment resistance
- Conforms to local and national standards

Benefits:

- Ensures permanent bond of coating system
- Provides long term corrosion prevention

Product properties

Property	Typical values
Base	Rubber/Resins
Solvent	Petroleum distillates & Toluene
Total Solids	30 %
Density	0.83 kg/dm ³ (6.93 lb/gal)
Viscosity	Medium Syrup
Flash Point	4°C (39.2°F)
VOC	0.58 kg/l (4.84 lb/gal)
Shelf Life	3 years
Coverage rate (estimated/varies)	300 ft ² /gallon 7.38 m ² /liter

Product selection guide

Max. operating temperature	93°C (200°F)
Additional tape layer(s)	Subsequent Polyken coating systems
Compatible line coatings	Carbon steel, PE, FBE, PP, CTE, Tape,
Recommended pipe preparation	SSA-ST2 (SSPC-SP3) or SSA-SA 2 (SSPC-SP6) 1 – 3 mil anchor profile (25 – 76 micron anchor profile)
Performance	AWWA, DIN, EN, ISO standards

Product construction

	1027
Adhesive color	Black

Ordering information

Description
1027-LIQUID ADH 1 QUART-0.95L (US GHS only)
1027-LIQUID ADH 1GAL-3.79L
1027-LIQUID-ADH-10L-UN-GHS (UN GHS countries only)
1027-LIQUID-ADH-18L-UN-GHS (UN GHS countries only)
1027-LIQUID ADH-5GAL-18.9L
1027-LIQUID ADH 55-GAL-208.2L

For other ordering options please contact your Seal For Life representative.

Application instruction: Job preparation		Handling and commissioning	
Tools, equipment and auxiliaries	Temperature gauge, DFT/WFT gauge Primer application equipment/agitator,	Exposure to loads	Objects coated with Polyken® 1027 should not be exposed to loads e.g. from supports- or lifting equipment.
Additional coating materials	Subsequent Polyken coating systems, 933-25, 931, 939	Backfill	Backfill is possible immediately after completion of the coating application and after the subsequent Polyken coating system has been applied. Consult application guidelines for specific instructions. Backfill should be clean and not contain any foreign items that can cause damage to the coating system.
High humidity	Polyken® 1027 can be applied in a humid atmosphere. The substrate should be free from condensing water which can be reached by keeping the temperature at least 5°F (3°C) above dew point.	Information	
Work area and substrate	The substrate surface should be dry, clean and protected against negative weather influences.	Documentation	Extensive information is available on our website. Application instructions and other documentation can be obtained by contacting our offices, from our local distributor or by sending an email to info@sealforlife.com
Product conditions	The Polyken® 1027 shall be stored and/or transported in a dry, ventilated location. Storage temperature shall be a minimum of 60°F (16°C) and a maximum of 125°F (52°C). The minimum primer temperature for application will be 60°F (16°C).	Certified staff	Application of the described coating system shall be carried out by certified personnel.
Application instruction: Surface preparation			
General	The area to be coated has to be clean, dry, and free from oil, grease and dust. All contamination including mill-scale has to be removed.		
Degreasing	Degrease surfaces with Toluene or Heptane and e.g. a lint-free cloth.		
Preventing condensation of water	Prior to and during the application, the temperature of the substrate(s) must be at least 5°F (3°C) above the dew point.		
Substrate temperature	Temperature of the substrate should preferably be between +68°F and +104°F (+20°C / +40°C). Preheating may be required.		
Application instruction: Brief version			
Step 1	Clean substrate to SSA-ST2, SSPC-SP3 (power wire brush) or SSA-SA 2, SSPC-SP6 (commercial blast). Surface (anchor) profile depth shall be no less than 1.0 mils (25 micron) and no greater than 3 mils (76 micron).		
Step 2	Uniform primer application achieving 2 to 3 mil WFT. Primer should be "dry to touch" before application of inner layer.		

* For further detailed information, please view the corresponding Application Guideline *