

POLYKEN® 1033A

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.

The Polyken 1033A is a low VOC liquid adhesive system that complies with federal and state clean air requirements. The 1033A is designed for machine or hand application in environmentally sensitive areas. The 1033A is not only environmentally clean, but also highly effective in protecting against corrosion. It is easy to apply and fast drying. Used in conjunction with the recommended Polyken coating systems, the 1033A material will provide the same long-term performance as the other Polyken liquid adhesive 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 of Polyken® 1033A

Property	Typical values
Base	Acrylic polymers/resins
Solvent	Acetone/Toluene
Total Solids	20 %
Weight/Gallon	7.09 lb
Weight/Liter	0.85 kg
Viscosity	Thin Syrup
Flash Point	< -18°C (-0.4°F)
VOC	117.7 g/l (0.98 lb/gal)
Shelf Life	3 years
Coverage rate (estimated/varies)	200 ft ² /gallon (hand application)
	4.92 m ² /liter (hand application)
	250 ft ² /gallon (spray application)
	6.15 m ² /liter (spray application)

Product selection guide

Max. operating temperature	85°C (185°F)
Additional mechanical layer	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 standards

Product construction

	1033A
Adhesive color	Black

Ordering information

Item number	Description
1086515	1033 A LIQ ADH 5 GAL-18.9L
1664665	1033A LIQ 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® 1033A should not be exposed to loads e.g. from supports- or lifting equipment.
Additional coating materials	Subsequent Polyken filler systems: 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® 1033A 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® 1033A 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 120°F (49°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 *

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