

**POLYKEN<sup>®</sup> 933**

**Product Information**

**Product description:** Polyken<sup>®</sup> 933 is specifically designed to provide additional protection of the weld seam of a spiral or longitudinally welded pipe. As part of the Polyken<sup>®</sup> Plant Coating Systems, 933 incorporates a polyethylene backing and butyl rubber adhesive, a combination with proven in-ground success in protecting pipelines worldwide against both chemical and electrolytic corrosion. When applied under the recommended pressure, the thick 20 mil adhesive visibly 'bleeds' at the tape edge, assuring a firm bond with the innerwrap adhesive.

**Features & Benefits:**

- **High Conformability.** The extreme pliability of the 5 mil polyethylene backing allows complete conformance to the irregular shape of the weld, isolating the weld area from the corrosive environment.
- **Unequalled Adhesion.** The special soft butyl rubber 933 adhesive is unmatched in providing an instant high level bond to primed steel at ambient temperature.
- **Ease of Application.** The 933 weld coating tape has an easily removable release liner facilitating application. Use of a pressure roller, either hand held or mechanical, is required to obtain adhesive exuding at the tape edge to fill all void areas. For further details, see the application specifications for coating of welds.

**Product properties of Polyken<sup>®</sup> 933**

Property	Method	Typical values	
		933	Units
Tensile strength	ASTM D 1000	12	pli
		2.1	N/mm
Elongation	ASTM D 1000	170	%
Peel adhesion to primed steel	ASTM D 1000	12.5	pli
		2.2	N/mm
Water vapor transmission rate	ASTM F 1249 (100°F, 100% RH)	0.03	g/100in <sup>2</sup> /24 hr
Dielectric Strength	ASTM D 149	18	kV
Insulation resistance	ASTM D 1000	1,000,000	MΩ

**Equation for Pipe Coating Requirements**

**Squares\*\* of coating required**  $\frac{(\text{width of coating in inches}) \times (\text{area of pipe in square feet})^*}{(\text{width of coating in inches} - \text{overlap in inches}) \times 100}$

- \* Area of pipe in ft<sup>2</sup> = (diameter in inches / 12) x 3.1416 x length in ft
- \*\* One Square = one hundred square feet = 9.29 square meters

**Square meters of coating required**  $\frac{(\text{width of coating in mm}) \times (\text{area of pipe in square meter})^*}{(\text{width of coating in mm} - \text{overlap in mm}) \times 100}$

- \* Area of pipe in m<sup>2</sup> = (diameter in mm / 1000) x 3.1416 x length in meter

**Product selection guide**

Operating temperature	-34° to 85°C (-30° to 185°F)
Application temperature	-34° to 71°C (-30° to 160°F)
Recommended primer	1027, 1019, 1033A
Recommended pipe preparation	SSPC-SP2, SP3 and SP6; St 2½ - St 3

**Product construction**

	<b>933</b>
Backing	5 mils (0.17 mm)
Adhesive	20 mils (0.51 mm)
Backing color	Black

**Ordering information**

Polyken<sup>®</sup> 933 Tape Coatings are available in roll form.

Example	933-25 BLK 4x100 ft	Standard Ordering Options
933	Product type	
25	Total tape thickness in mils	25 mils (0.64 mm)
BLK	Tape backing color	Black
4	Tape width in inches	4" (101 mm), 6" (152 mm)
100	Tape roll length in feet	50 ft (15 m), 100 ft (30 m)

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

**Information**

<b>Documentation</b>	Extensive information is available on our web-site. Application instructions and other documentation can be obtained by contacting our offices, from our local distributor or by sending an email to <a href="mailto:info@sealforlife.com">info@sealforlife.com</a>
<b>Certified staff</b>	Application of the described coating system should be carried out by certified personnel.



**SEALFORLIFE Industries**

PART OF THE BERRY PLASTICS ENGINEERED MATERIALS DIVISION

Anodefex<sup>®</sup> – Stopaq<sup>®</sup> – Polyken<sup>®</sup> – Covalence<sup>®</sup> – Powercrete<sup>®</sup>

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