

## Cold Applied, Self-Healing, Exterior Joint Wrap

### DESCRIPTION

ConWrap PW is a cold applied, self-healing, exterior wrap used to prevent corrosion of metal and concrete. The high-tack adhesive, peel and stick, self-healing, viscoelastic compound completely encapsulates structures, such as pipelines or concrete grade rings. A secondary protective layer, such as outer polyethylene tape wrap, improves impact resistance and supports the self-healing characteristics of the viscoelastic wrap. ConWrap PW provides long-term corrosion protection to exposed and buried infrastructure such as: pipelines, flanges, and valves.



### SEALING PROPERTIES

- Meets NACE 0109 and ISO 21809-3.
- Self-Healing from small cuts, dents or punctures.
- Viscoelastic modulus flows into pores and surface anomalies.
- Aggressively bonds to metal and concrete structures.
- Resistant to cathodic disbondment.
- UV resistant.
- Provides a permanent flexible water and silt barrier.
- Will not shrink, harden or oxidize upon aging.
- Available in several standard sizes:
  - **Standard thickness: 80 mils ± 8 mils (2mm ± 0.2mm)**
  - **Standard widths:** 4" (10cm) x 33' (10M) - 6 rolls/ctn  
6" (15cm) x 33' (10M) - 4 rolls/ctn  
8" (20cm) x 33' (10M) - 4 rolls/ctn  
12"(30cm) x 33' (10M) - 2 rolls/ctn
  - **Custom widths and lengths available upon request.**

### PHYSICAL PROPERTIES

Description	Spec	ConWrap PW
Color		Gray
Thickness		80 mils ± 8 mils (2mm ± 0.2mm)
Service Temperature		-45°F to 158°F (-45°C to 70°C)
Specific Gravity	<b>ASTM D71</b>	1.25 - 1.40
Peel Strength	<b>ISO 21809-3 (2016) Annex H</b>	23°C 0.338 N/mm 70°C 0.219 N/mm
Peel Strength (Thermal Aging)	<b>ISO 21809-3 (2016) Annex H</b>	23°C 0.317 N/mm 70°C 0.048 N/mm
Impact Strength	<b>ISO 21809-3 (2016) Annex D</b>	No Holiday Detected
Indentation Resistance	<b>ISO 21809-3 (2016) Annex E</b>	23°C Pass (>0.6mm) 70°C Pass (>0.6mm)
Cathodic Disbondment	<b>ISO 21809-3 (2016) Annex G</b>	0 mm Self-Healing
Specific Electrical Insulation Resistance	<b>ISO 21809-3 (2016) Annex F</b>	1.66 x 10 <sup>9</sup> Ohms.m <sup>2</sup>
Chemical Resistance in aggressive soils	<b>Tested in 30% sulfuric acid, 20% phosphoric acid, 10% nitric acid, and 10% hydrochloric acid</b>	Excellent; no deterioration or corrosion after 3 days @158°F (70°C)

### SURFACE PREPARATION

**For Metal:** Clean the surface with a brush and remove any dirt or debris, which could keep ConWrap PW from adhering to the metal. Once all debris has been removed, all dust and grease like substances should be removed with denatured alcohol or similar cleaner. Dry surface required before application.

**For Concrete:** Clean the surface with a brush and remove any dirt or debris. Once all debris has been removed, all dust and grease like substances should be removed with denatured alcohol or similar cleaner. Dry surface required before application. Consult Concrete Sealants with questions about your exact application.

### INSTALLATION GUIDELINES

The following procedures should be followed for optimum sealant performance.

- Remove release liner and press adhesive side onto structure.
- ConWrap PW should be applied in a straight circumferential wrap at termination points before continuing in an angled circumferential wrapping method around the length of the pipe using a 1/2" to 1" (13mm - 25mm) overlap.
- When the ConWrap PW is complete, a protective outer layer is required to complete the system, such as: a polyethylene outerwrap.

### LIMITED WARRANTY

This information is presented in good faith, but we cannot anticipate all conditions under which this information and our products, or the products of other manufactures in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combinations for their own purposes. It is the users' responsibility to satisfy himself as to the suitability and completeness of such information for this own particular use. We sell this product without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of this product, whether used alone or in combination with other products.

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