

SEAL OF SECURITY. BOND OF TRUST.

EXTERIOR WRAP SYSTEM FOR METAL & CONCRETE

Cold Applied, Self-Healing, Antimicrobial Exterior Joint Wrap System

DESCRIPTION

ConWrap AMS is a cold applied, self-healing, antimicrobial, exterior wrap system 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. A second layer, outer polyethylene tape wrap improves impact resistance and supports the self-healing characteristics of the viscoelastic wrap. ConWrap AMS 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.
- Antimicrobial properties are built in to inhibit the growth of bacteria that may affect this product.
- Available in several standard sizes.
 - **Standard thickness: 80 mils ± 8 mils (2mm ± 0.2mm)**
 - **Standard widths: 4" (10cm) x 33' (10M) - 6 rolls/ctn**
 - **8" (20cm) x 33' (10M) - 4 rolls/ctn**
 - **12"(30cm) x 33' (10M) - 2 rolls/ctn**

PHYSICAL PROPERTIES

Description	Spec	AMS
Color		Gray
Thickness		80 mils ± 8 mils (2mm ± 0.2mm)
Service Temperature		-45°F to 158°F -45°C to 70°C
Specific Gravity	ASTM D71	1.25 - 1.40
Peel Strength	ISO 21809-3 (2016) Annex H	23°C 0.338 N/mm 70°C 0.219 N/mm
Peel Strength (Thermal Aging)	ISO 21809-3 (2016) Annex H	23°C 0.317 N/mm 70°C 0.048 N/mm
Impact Strength	ISO 21809-3 (2016) Annex D	No Holiday Detected
Indentation Resistance	ISO 21809-3 (2016) Annex E	23°C Pass (>0.6mm) 70°C Pass (>0.6mm)
Cathodic Disbondment	ISO 21809-3 (2016) Annex G	0 mm Self-Healing
Specific Electrical Insulation Resistance	ISO 21809-3 (2016) Annex F	1.66 x 10 ⁸ Ohms·m ²

P A T E N T P E N D I N G

SURFACE PREPARATION

For Metal: Clean the surface with a brush and remove any dirt or debris, which could keep ConWrap AMS 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.

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. Using a primer on concrete will improve the bonding action. When using a primer, allow the primer to dry before placing ConWrap AMS. Consult Concrete Sealants for the proper primer to meet your application.

INSTALLATION GUIDELINES

The following procedures should be followed for optimum sealant performance.

- Remove release liner and press adhesive side onto structure.
- ConWrap AMS 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" overlap.
- When the ConWrap AMS is complete, immediately begin wrapping the exterior with the polyethylene tape wrap to complete the system.
- The outer polyethylene tape should be applied with tension and a minimum of 50% overlap.

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 manufacturers 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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VERSION: 21-MAR-2024



CONCRETE SEALANTS, INC.
ISO 9001:2015 REGISTERED