

Scar-Guard® XL

Fiberglass Mechanical Protection for Field Joints on Directionally Drilled Pipelines

Product Description



Scar-Guard® XL is supplied within the kit and is contained in a heat-sealed foil pouch.

Installer Kit

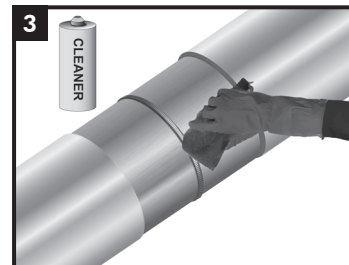
An Installer Kit is supplied separately and includes Compression Film and Nitrile gloves.

Equipment List



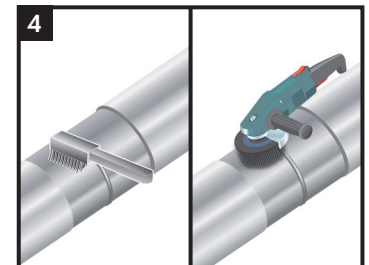
Appropriate tools for surface abrasion and preparation (wire brush/power wire brush or grit blaster, abrasive paper (40-80 grit), Knife, lint free rags, approved solvent and water spray bottle. Standard safety equipment: gloves, safety glasses, hard hat, etc.

Surface Preparation



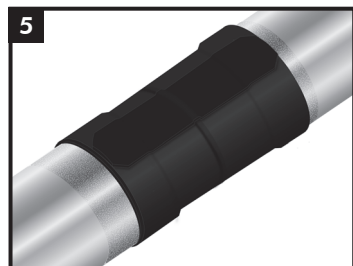
Clean exposed steel and adjacent pipe coating with an approved solvent (Acetone, MEK, Alcohol >96%) to remove the presence of oil, grease, and other contaminants if present. Ensure that the pipe is dry prior to mechanical cleaning.

Surface Preparation



Surface preparation shall be as required for the specific corrosion coating used in conjunction with Scar-Guard® XL.

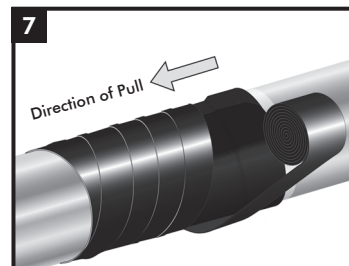
Outer Wrap Application Scar-Guard® XL



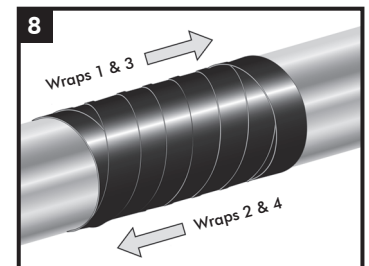
For heat-shrinkable sleeve corrosion coatings use the Canusa product specific installation guide.



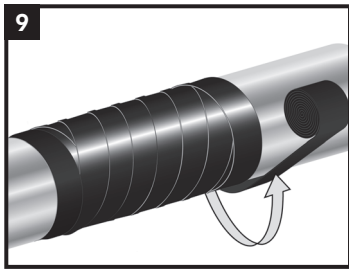
Water is needed to activate Scar-Guard® XL. Open the foil pouch, remove the roll. Once opened, the product cannot be repackaged. Scar-Guard® XL is activated using a water sprayer to mist and wet each layer as it is wrapped.



Starting at the leading edge, begin the application at a distance of 150mm (6") past the corrosion coating edge. Extend the wrap 50mm (2") beyond the corrosion coating on the trailing edge. Apply the first wrap circumferentially around the pipe at a 90° angle then begin spiral wrapping with a 50% overlap following the wrapping guideline that is printed on the roll. Apply pressure during application by pulling firmly on the roll as it is applied. Squeeze and mold firmly in the direction of the wrap until tight.

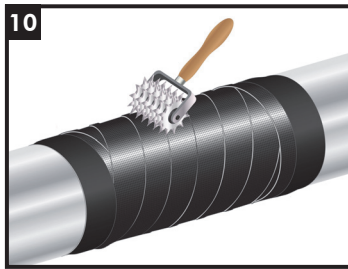


End with a circumferential wrap applied at 90° to the pipe. For high shear or impact requirements, additional layers may be required. To create thinned edges for directional drilling, reduce the overlap in the last 100mm - 150mm of the edges to 10-20% rather than 50%.



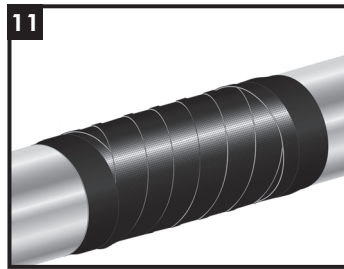
Apply compression film in the same direction as the previous layers with a 50% overlap. Start min. 50mm (2") beyond the outer edge of the Scar-Guard® XL, pulling firmly during application.

NOTE: Compression film should be applied before excess foaming is observed from the Scar-Guard® XL. A second installer should begin this step and follow the Scar-Guard® XL installer(s) as they progress with the wrapping of the pipe. The resin should be compressed and the film perforated as quickly as possible.



Perforate the compression film using a wire brush (or other perforating device) by tapping firmly on the tape with the metal bristles. Perforation allows the CO₂ gas generated by the curing process to escape. Compression film may be removed after material hardens and either discarded or left in place.

Prior to Pulling



Allow the Scar-Guard® XL to reach a Shore D Hardness of 70 prior to pulling. Scar-Guard® XL is fully cured at a Shore D Hardness of 83 @ 72°F.

Note: If holiday inspection is required it must be done after installation of the corrosion coating product is installed because the holiday detector will beep on residual moisture in the Scar-Guard® XL installed product.

Storage & Safety Guidelines

To ensure maximum performance, store Canusa products in a dry, ventilated area. Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements. Avoid prolonged storage at temperatures above 35°C (95°F) or below -20°C (-4°F). Product installation should be done in accordance with local health and safety regulations.

These installation instructions are intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications.

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Canusa-CPS is registered to ISO 9001:2008

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the installation guide when used in compliance with Canusa's written instructions. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. Canusa's liability is stated in the standard terms and conditions of sale. Canusa makes no other warranty either expressed or implied. All information contained in this installation guide is to be used as a guide and is subject to change without notice. This installation guide supersedes all previous installation guides on this product. E&OE

Part No. 99060-228

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