



ScarGuard is designed to protect field joint and mainline coatings from the mechanical stresses and scarring associated with horizontal directional drilling (HDD), thrust boring, direct pipe and micro-tunneling installation of pipelines.

ScarGuard is a composite Abrasion Resistant Overcoat (ARO) comprised of fiberglass fabric and pre-impregnated flexible resin that is activated by water and cured within minutes.

This sacrificial outer laminate system protects pre-approved anti-corrosion field joint coatings and mainline coatings such as FBE, liquid epoxies, shrink sleeves, and tapes. ScarGuard minimizes the need for costly repairs after pull back and provides robust protection of the underlying pipeline coating.



APPLICATIONS

- › Horizontal Directional Drilling
- › Thrust Boring
- › Microtunneling
- › Direct Pipe
- › Trenchless Pipeline Construction
- › Field Joints

FEATURES

- › Excellent abrasion resistance for protecting coated pipes subjected to trenchless pipeline installation
- › Prevents gouging and coating damage
- › High impact resistance
- › Easily installed over field and factory applied coatings

BENEFITS:

- › Superior mechanical protection
- › Non-shielding
- › Eliminates the need to re-pull pipe
- › Prevents gouging and coating damage
- › Ensures future pipeline integrity
- › Prevents future external corrosion
- › No environmental hazards

SCARGUARD

QUALIFICATION DATA

Material Properties	ScarGuard	ScarGuard XL	ScarGuard E (ThermoWrap HDD)
Thickness	0.034 inch (0.86 mm)	0.013 inch (0.33 mm)	0.034 inch (0.86 mm)
Resin Type	MCU	MCU	Epoxy
Application Temperature	32°F – 150°F (0°C – 65°C)	32°F – 150°F (0°C – 65°C)	50°F – 250°F (10°C – 121°C)
Working time @ 75 F (24°C)	12 minutes	25 minutes	65 minutes
Set Time @ 75 F (24°C)	30 minutes	45 minutes	2.5 hours
Impact Resistance ASTM-G14 (100 mils)	421 in lb (47.6 J)	431 in lb (48.7 J)	192 in lb (21.7 J)
Abrasion Resistance ASTM D-4060 (cycles/mil)	1,667	1,467	3,333
Gouge Resistance Partech (50 kg load)	Pass	Pass	Pass
Shelf Life	18 months	18 months	18 months
Storage	Do not freeze. Shelf life is based on continuous storage between 50°F (10°C) and 72°F (22°C) . Long term exposure above 72°F (22°C), will reduce the shelf life of these materials. Prolonged exposure above 95°F (35°C) quickly diminishes the reactivity of the product and should be avoided. Keep container tightly closed (do not open until ready to use). For industrial use only.		

WARRANTY CSNRI routinely implements product improvements. Please contact your local distributor or office for the most current product specifications. CSNRI warrants the quality of this product when used according to directions.

ISO 9001 Certified

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