

SCAR-GUARD®
TOUGHEST FIELD-APPLIED ARO



Description

The patented Scar-Guard® line of products was designed to protect field joint coatings from the abrasion stresses and scarring of directional drilling, HDD and boring. Scar-Guard creates an abrasion resistant, sacrificial outer laminate which protects pre-approved field joint coatings and mainline coating such as epoxies, shrink sleeves, and FBE. Controlled set times, packaging and extreme conformability provide for efficient installations in any project environment. The Scar-Guard line of products minimize the potential for costly spot repairs or re-pulling pipe while providing the best mechanical protection of the underlying field-joint and mainline coatings. U.S. Patent #8522827

Typical Applications

- Field applied ARO
- Mainline coating protection
- HDD, thrust boring, and micro-tunneling
- Aggressive soil conditions

Product Line Benefits

- Eliminate coating damage
- Controlled set time
- Non-hazardous
- 100% solids content
- Smooth profile
- Outstanding abrasion, gouge, & impact resistance

Material Properties	Product Category	Laminate Properties			Cure Schedule 75°F (24°C)	
		Thickness (per Layer)	Resin Type	Application Temperature	Working Time	Set Time
	Scar-Guard	0.034"	MCU	32° to 150°F (0° to 65°C)	12 min	30 min
	Scar-Guard SYS	0.013"	MCU	32° to 150°F (0° to 65°C)	8 min	28 min
	Scar-Guard E	0.034"	Epoxy	50° to 250°F (10° to 121°C)	65 min	2.5 hr

Mechanical Properties	Product Category	Impact Resistance	Abrasion Resistance	Gouge Resistance
		ASTM-G14 (100 mils)	ASTM D-4060 (cycles / mil)	Partech (50 kg load)
	Scar-Guard	47.6 J (421 in-lb)	1,667	Pass
	Scar-Guard SYS	48.7 J (431 in-lb)	1,467	Pass
	Scar-Guard E	21.7J (192 in-lb)	3,333	Pass



Surface Preparation	Roughen existing coating to degloss before application of Scar-Guard.
Installation	Installation shall be in accordance with NRI's product specific installation guides, latest revision. Quality control inspection during and after installation of the system shall be performed per NRI's Installation Validation Procedure: Quality Control Records, latest revision.
Cleanup and Safety	Refer to the most recent SDS, latest revision, containing physical, ecological, toxicological, and other safety-related data.
Shelf Life	MCU: 12 months with proper storage Epoxy: 12 months with proper storage
Storage Conditions	MCU: Store in original, unopened packaging in a cool, shaded area at ambient temperature of 72°F (23°C). Epoxy: Epoxy: Store in original, unopened containers, indoors at a max temperature of 95°F (35°C). Fabric: Store in original packaging, away from moisture or contaminants at temperatures below 100°F (38°C).
Warranty	©Neptune Research Inc. (NRI), NRI®, Scar-Guard®, Scar-Guard®E, and Scar-Guard®SYS are registered trademarks of NRI. NRI utilizes a process of continuous product improvement for all products. While we do strictly adhere to our products' specifications, we routinely implement product improvements. Therefore, please contact your local NRI distributor or office for the most current product specifications. NRI warrants the quality of this product when used according to directions. Apply protective coatings per company standards. User shall determine suitability of product for use and assumes all risk. The seller will not accept liability for more than product replacement.