



Visco- Rite™ Subsea

PRODUCT DATA SHEET

Selection and Specification Data

Generic Type	Non-crystalline pure homopolymer Polyisobutene
Product Description	Visco-Rite™ Subsea is a viscoelastic fibre-reinforced high-performance corrosion barrier material to protect wet or submerged carbon steel, stainless steel, ductile iron and non-ferro metal substrates. The material is specific designed for submersed and immersed services from -20 up to +70°C (short term) (-4 up to 122°F). The flexible backing makes the material will auto rebound and tighten around the object to improve the sealing performance. The water between the substrate and the ViscoRite Subsea material will be discharged. Its excellent sealing performance isolate the objects from the harmful environment to prevent it from corrosion. The Subsea material shows excellent Cold-flow properties to flow into all irregular substrates. The ViscoRite Substrate is applied with additional mechanical outer wrap to improve its mechanical resistance. Example of applications are Jetty Piles, submerged pipelines, jacket legs etc. found in various industries such as offshore / inshore facilities, infrastructural objects, windpower etc.
Features	<ul style="list-style-type: none"> ● Non-toxic material, safe for humans, animals and the environment ● Excellent barrier properties ● Flexible backing material ● Material remains flexible, even at lower temperatures ● Excellent adhesion to carbon steel and stainless steel ● Excellent adhesion to ductile iron and non-ferro metals ● Excellent adhesion on pipeline coatings like Epoxy, PU, FBE, PE, PP etc. ● Surface tolerant material (minimum St2/SSPC-SP2) ● Service temperature from -20 up to +50°C (-4 up to 122°F) ● Short term maximum Service Temperature +70°C (158°F) ● Can be applied by hand or Wrapping machine ● Self-healing capabilities ● No need for curing
Color	Light Bleu
Finish	ALLTER Tape™ PVC / PE Outerwrap / Moisture cure ALLTER Glass Shield™
Primer	Self-priming
Dry Film Thickness	3500micron (137 mils) nominal
Volume Solids	100%

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Coverage Rate	0.3m ² per 100mm. x 5,7m. roll at 3500micron (137mils) DFT, incl. 50% overlap.
VOC	0 g/l (0 lbs/gal)
Temperature Resistance	-20 up to +70°C (-4 up to 158°F)
Topcoats	ALLTER TAPE™ PVC or PE Outerwrap / ALLTER Glass Shield™ for additional mechanical protection.

Substrate and Surface Preparation

General	Remove all dirt, grease, mill scale, loose rust and any other contaminants that can reduce adhesion according SSPC-SP1. Recommended substrate preparation as listed below.
Carbon steel, Cast Iron and coated steel	Minimum substrate preparation St2/St3/SSPC-SP2/SP3. A specific surface profile (Rz) is not required.
PE and PP	Minimum St2/St3 (SSPC-SP2/SP3). A specific surface profile (Rz) is not required.
Stainless steel and non-ferrous metals	Minimum St2/St3 (SSPC-SP2/SP3). A specific surface profile (Rz) is not required.
Galvanized steel	Remove corrosion deposits when present according to minimum St2/St3/SSPC-SP2/SP3.

Mixing and Thinning

Mixing	No mixing. Ready to use material.
Thinning	No thinning. Ready to use material.

Application Equipment

General	This material can be simply applied by hand.
Application	Remove a small part of the release liner and stick the material onto the prepared substrate. Further removing the release liner during application, applying the material with continuous tension, and apply the material firmly onto the substrate to avoid air / water entrapment. Application must start with one (1) complete circumferential wrap around the protected object. The material can be applied spiral wrap with a 50% overlap. When a new roll of material is used, a minimum overlap of 100mm. (4") to the previous roll is recommended. When finishing the application, finish with one (1) complete circumferential wrap around the protected object.

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Application Conditions

	Condition	Material	Surface	Ambient	Rel. Humidity
	Minimum	5°C (41°F)	5°C (41°F)	5°C (41°F)	100%
	Maximum	40°C (104°F)	70°C (158°F)	50°C (122°F)	100%

Curing Schedule				
	Temperature	Touch dry	Dry to recoat	Dry to handle
	5°C (41°F)	NR	NR	NR
	40°C (104°F)	NR	NR	NR
	50°C (122°F)	NR	NR	NR
	70°C (158°F)	NR	NR	NR
Note: This material does not cure.				

Cleanup and Safety Information

Cleanup NR

Safety This does not contain any hazardous ingredients. See SDS for specific information.

Packaging, Handling and Storage

Shelf life Unlimited at 23°C (73°F)

Storage temperature and humidity 4 - 50°C (39-122°F).
85%.

Storage Material should be stored indoors, clean and dry, kept away from direct sunlight.

Shipping weight					
	Dimension	Weight per Roll	Weight per roll	Rolls per Carton	Cartons per Pallet
	100mm. x 5,7m. (2" x 18')	2,6 kg	5,73 lbs	6	180

Flash point (ISO 1523) NR

DATE: September 2021

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