



ALLTER

ALTERNATE
CORROSION
PREVENTION
SYSTEMS



Visco- Rite™ 70Paste

PRODUCT DATA SHEET

Selection and Specification Data

Generic Type Non-crystalline pure homopolymer Polyisobutene Paste.

Product Description Visco-Rite™70Paste is a viscoelastic high-performance corrosion barrier material to protect corroded carbon steel, stainless steel, ductile iron and non-ferro metal substrates. The material is specific designed for submersed and immersed services from -45 up to +70°C (-49 up to 158°F). Examples of applications are external corrosion protection and moulding around valves, integrated in pipeline systems, shaped parts such as manhole covers, bolts & nuts, elbows, tees, reducers, flanges, above ground structures etc. found in various industries such as in petrochemical facilities, chemical plants, Offshore, power plants, refineries etc.

- Features**
- Non-toxic material, safe for humans, animals and the environment
 - Excellent barrier properties.
 - Complies to ISO 21809-3: 2016 and ISO 12944: 2018
 - 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)
 - Prevents stress corrosion cracking (SCC) of stainless steel
 - Service temperature from -45 up to +70°C (-49 up to 158°F)
 - Can be applied on hot substrates up to max. 70°C (158°F)
 - Can be applied by hand
 - Self-healing capabilities
 - No need for curing

Color Light blue

Finish NA

Primer Self-priming

Visco-Rite™ 70 Paste

Dry Film Thickness	NA
Volume Solids	100%
Theoretical Coverage Rate	NA
VOC	0 g/l (0.00 lbs/gal)
Temperature Resistance	from -45 up to +70°C (-49 up to 158°F)
Topcoats	Alter-Tape™ PVC, PE, TPU, PUA, GRE and GRP

Substrate and Surface Preparation

General	Remove all dirt, grease, mill scale, loose rust and any other contaminants that can reduce adhesion according SSPC-SP1 solvent cleaning, followed by the recommended substrate preparation as listed below.
Carbon Steel	Minimum St2/St3 (SSPC-SP2/SP3). A specific surface profile (Rz) is not required.
Stainless Steel	Minimum St2/St3 (SSPC-SP2/SP3). A specific surface profile (Rz) is not required.

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	<p>Stick the material onto the prepared substrate and press the material firmly onto the substrate to avoid airtentrapment.</p> <p>Shape the material by using lumps of Paste. After modelling, the surface should be smooth with a shape suitable for wrapping the final outer tape wrap material.</p> <p>In case the total layer thickness exceeds 25mm, we recommend to implement web like reinforcement material.</p>
Airless spray	NR
Brush and roller	NR

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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)	0%
	Maximum	40°C (104°F)	70°C (158°F)	50°C (122°F)	95%
	This material requires the substrate temperature to be 3°C (5°) above dew point				

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 material 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 5 - 50°C (41-122°F).
95%.

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

Shipping weight

	Dimensions	Weight per Sheet	Sheets per Carton	Cartons per Pallet
		2Kg	6	288

Flash point (ISO 1523) NR

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DATE: January 2020

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