



ALTERNATE
CORROSION
PREVENTION
SYSTEMS

Allter- Tape HBPE™

PRODUCT DATA SHEET

Selection and Specification Data

Generic Type A self-adhesive pressure sensitive polyethylene tape with a premium grade butyl rubber adhesive.

Product Description Allter-Tape PE™ is a laminated HDPE cold applied tape designed to be used as a high-performance mechanical protection on top of our corrosion barrier systems such as Visco-Rite™ 70 and 70HB for immersed and buried services up to continuous 70°C (158°). This material provides good abrasion, impact, UV and indentation resistance, and is also resistant to chemicals like acids and alkalis. Application examples are buried pipelines, girth-weld joints, elbows, tees, reducers, bends, flanges, insulated pipelines etc. found in various industries such as in petrochemical facilities, chemical plants, Offshore, power plants, refineries etc.

- Features**
- Complies to ISO 21809-3: 2016 in combination with Visco-Rite™ 70HB
 - Can be applied by hand or Wrapping machine
 - Excellent mechanical properties
 - High UV resistance.
 - Very good impact and indentation resistance
 - Very good resistance to aging at maximum operating temperature
 - Excellent suitable for hot climates
 - Excellent adhesion to itself
 - Service temperature from -40 up to +70°C (-40 up to 158°F)
 - Short term maximum 90°C (194°F)
 - Environmentally safe product/safe to use

Allter-Tape HBPE™

Color	Black
Finish	NA
Primer	NR
Dry film thickness	800micron (31Mils) nominal
Volume Solids	100%
Theoretical Coverage Rate	3.0m ² per 100mm. x 30m. roll at 450micron (18mils) DFT ex. 50% overlap
VOC	0 g/l (0.00 lbs/gal)
Topcoats	No Topcoats required
Carbon black content	1.5% - 3%
Temperature Resistance	from -40 up to +70°C (-40 up to 158°F)

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Substrate and Surface Preparation

General Remove all dirt, grease, and any other contaminants that can reduce adhesion according to SSPC-SP1 solvent cleaning.

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 or (semi) automated equipment.

Application Unroll a small part of tape and stick the material onto the specific Visco-Rite. Applying the material with tension and press the material firmly onto the substrate to avoid air entrapment. Application must start with two (2) complete circumferential wraps around the protected object. The material can be applied spiral-wrap or cigarette-wrap with a minimum side by side overlap of 50%. When a new roll of material is used, a minimum overlap of 50mm. (2") to the previous roll is recommended, followed by one (1) complete circumferential wrap around the protected object, before proceeding further wrapping. When finishing the application, finish with one (1) complete circumferential wrap around the protected object.

Airless spray NR

Brush and roller NR

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

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	Minimum 24 months at 23°C (73°F)
Storage temperature and humidity	4 - 40°C (39-104°F). 95%.
Storage	Material should be stored indoors, clean and dry, kept away from direct sunlight.
Flash point (ISO 1523)	NR

DATE: January 2024

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