



ALLTER

ALTERNATE
CORROSION
PREVENTION
SYSTEMS



Allter-Fusion Tape™

PRODUCT DATA SHEET

Selection and Specification Data

Generic Type	A self-fusion, amalgamating PIB Rubber tape
Product Description	Allter-Fusion Tape™ is a cold applied shrink- and self-priming tape with self-fusion, amalgamating properties with a high durable flexibility for buried and atmospheric services. This self-fusion tape is particular designed for sealing, waterproofing and insulating irregular shapes and surfaces made from new and old cast iron, carbon steel, stainless steel, non-ferrous metals, coated steel, galvanized steel and plastics like PE and PP. Application examples are small and mid-size diameter pipes, appendages, elbows, bends, joints, bolts, cable connections, splices etc.
Features	<ul style="list-style-type: none">● Self-priming/No primer required● Peel strength to steel (>5N/cm. at 23°C/73°F) according ISO 4587● Self fusion, fully amalgamating tape● Excellent adhesion to steel and difficult substrates like PE and PP● Excellent durable flexibility, up to 2 times the original length● Excellent barrier properties● Electrical Resistivity (>3x10¹³MΩ) according to ISO 13931● Good UV resistance● Fast and easy to install by hand● Perfect for irregular shapes● Service temperature from -40up to +70°C (-40 up to 158°F)● Environmentally friendly product/safe to use
Color	Black and yellow
Finish	Eggshell
Primer	Self-priming
Dry Film Thickness	1000micron (40 mils) nominal
Volume Solids	100%

Allter-Fusion Tape™

Theoretical Coverage Rate	0.15m ² per 50mm. x 3m. roll at 1000micron (40mils) DFT, ex. 50% overlap 0.25m ² per 50mm. x 5m. roll at 1000micron (40mils) DFT, ex. 50% overlap
VOC	0 g/l (0 lbs/gal)
Temperature Resistance	-40 up to +70°C (-40 up to 158°F)
Topcoats	No topcoat required

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, Cast Iron and coated steel	Minimum substrate preparation St2/St3/SSPC-SP2/SP3. A specific surface profile (Rz) is not required.
PE and PP	SSPC-SP1 solvent cleaning
Stainless steel and non-ferrous metals	SSPC-SP1 solvent cleaning and remove corrosion deposits when present. A specific surface profile (Rz) is not required.
Galvanized steel	SSPC-SP1 solvent cleaning and 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, stretching the tape up to 1.5 times of its original length and apply the material firmly onto the substrate to avoid air 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 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

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Application Condition

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

Packaging, Handling and Storage

Shelf life Minimum 12 months 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
	50mm. x 3m. (2" x 9.8')	0.36 kg	0.79 lbs	27	60
	50mm. x 5m. (2" x 16.4')	0.54 kg	1.19 lbs	27	45

Flash point (ISO 1523) NR

DATE: January 2020

DISCLAIMER: Allter Coatings warrants that the product(s) represented within conform(s) to its/their chemical and physical description and is appropriate for the use as stated on the respective technical data sheet when used in compliance with Allter Coatings written instructions. Since many installation factors are beyond the control of Allter Coatings the user is obligated to determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Allter Coatings liability is stated in the standard terms and conditions of sale. Allter Coatings makes no other warranty either expressed or implied. All information contained in the respective technical data sheet(s) should be used as a guide and is subject to change without notice. This document supersedes all previous revisions. Please see revision date on the left. Allter® is a registered trademark.