



ALLTER

ALTERNATE
CORROSION
PREVENTION
SYSTEMS



Allter- Tape HTPE™

PRODUCT DATA SHEET

Selection and Specification Data

| | |
|----------------------------|--|
| Generic Type | A self-adhesive pressure sensitive stabilized polyethylene tape with a premium grade butyl bituminous adhesive. |
| Product Description | Allter-Tape HTPE™ is a cross laminated HDPE cold applied tape designed to be used as a high-performance mechanical protection on top of our corrosion barrier systems Visco-Rite™ 95 and 95HB for immersed and buried services up to continuous 95°C. This material provides good abrasion, impact 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 | <ul style="list-style-type: none">• Complies to ISO 21809-3: 2016 in combination with Visco-Rite™95HB• Can be applied by hand or Wrapping machine• Excellent mechanical properties• 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 +95°C• Environmentally safe product/safe to use |
| Color | Black |
| Finish | NA |
| Primer | NR |
| Dry Film Thickness | 1016 micron (40mils) nominal |

Allter-Tape HTPE™

| | |
|----------------------------------|--|
| Volume Solids | 100% |
| Theoretical Coverage Rate | 3.0m ² per 100mm. x 30m. roll at 1016 micron (40mils) DFT ex. 50% overlap |
| VOC | 0 g/l (0.00 lbs/gal) |
| Temperature Resistance | from -40 up to +95°C |
| Topcoats | No topcoat required. |

Substrate and Surface Preparation

General Remove all dirt, grease, and any other contaminants that can reduce adhesion according 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 | -20°C | -20°C | 5°C | 0% |
| | Maximum | 60°C | 95°C | 50°C | 95% |
| | This material requires the substrate temperature to be 3°C above dew point | | | | |

Allter-Tape HTPE™

| 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 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.

| Shipping weight | | | | | |
|-----------------|---------------------------|-----------------|-----------------|------------------|--------------------|
| | Dimension | Weight per Roll | Weight per Roll | Rolls per Carton | Cartons per Pallet |
| | 50mm. x 30m. (2" x 100') | 0.70 kg | 1.54 lbs | 18 | 35 |
| | 75mm. x 30m. (3" x 100') | 1.05 kg | 2.31 lbs | 12 | 35 |
| | 100mm. x 30m. (4" x 100') | 1.40 kg | 3.08 lbs | 12 | 28 |

Flash point (ISO 1523) NR

DATE: November 2022

DISCLAIMER: Allter B.V., 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's written instructions. Since many installation factors are beyond the control of Allter 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's liability is stated in the standard terms and conditions of sale. Allter 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.