



MAK PE PIPE WRAP

Butyl rubber based PE backed pipe wrapping tape

Description

Mak PE Pipe Wrap is a cold applied tape coating system designed for the corrosion protection of field joints, fittings and specialty piping. The high tack butyl rubber adhesive is designed for high initial adhesion, even during extreme cold weather applications. Tape has a very tacky adhesive and comes with a plastic release liner to enable proper unwinding of the roll. Coupled with the highly conformable polyethylene backing, the respective adhesive optimally flows, fills and instantaneously bonds to the substrate. The versatile tape system can be applied by hand or with a wrapping machine.

Product Selection Guide

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| Max. operating temperature | 50°C (122°F) |
| Recommended primer | 1027 or 1033A |
| Additional mechanical layer | 955 or 954 |
| Compatible line coatings | PE, Cold Tape, |
| Recommended pipe preparation | SSA-ST2 (SSPC-SP3) or SSA-SA 2 (SSPC-SP6) 1 - 3 mil anchor profile (25 - 76micron anchor profile) |
| Performance | AWWA C209 EN 12068 DIN 30672 |

Features

- ◆ Heavy duty adhesive.
- ◆ Conformable to irregular shapes.
- ◆ High tack adhesive.
- ◆ Worldwide reference lists.
- ◆ Complies with AWWA standard C-209, EN12068, DIN30672.
- ◆ Compatible with generic plant coatings systems.

Benefits

- ◆ Ensures a strong bond & impervious seal.
- ◆ Offers a solution for nearly every application.
- ◆ Very useful in extreme cold weather.
- ◆ Established in-ground history.
- ◆ Reliable, high-performance corrosion protection.
- ◆ Versatile.

Application Procedure

Application instruction: Job Preparation

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| Tools, equipment and auxiliaries | Temperature gauge, DFT/WFT gauge, Primer application equipment/agitator, Tape application equipment, Coating "hot box" |
| High humidity | tape can be applied in a humid atmosphere. The substrate should be free from condensing water which can be reached by keeping the temperature at least 5°F (3°C) above dew point. |
| Work area and substrate | The substrate surface should be dry, clean and protected against negative weather influences. |
| Product conditions | Mak PE Pipe Wrap shall be stored and/or transported in a dry, ventilated location. Storage temperature shall be a minimum of 60°F (16°C) and a maximum of 120°F (49°C). The minimum primer and roll body temperature for application will be 60°F (16°C). |

Application instruction: Surface Preparation

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| General | The area to be coated has to be clean, dry, and free from oil, grease and dust. All contamination including mill-scale has to be removed. |
| Degreasing | Degrease surfaces with Toluene or Heptane and e.g. a lint-free cloth. |
| Preventing condensation of water | Prior to and during the application, the temperature of the substrate(s) must be at least 5°F (3°C) above the dew point. |
| Substrate temperature | Temperature of the substrate should preferably be between 68°F and 104°F (20°C / 40°C). Preheating may be required. |

Application instruction: Brief Version

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| Step 1 | Clean substrate to SSA-ST2, SSPC-SP3 (power wire brush) or SSASA 2, SSPC-SP6 (commercial blast). Surface (anchor) profile depth shall be no less than 1.0 mils (25 micron) and no greater than 3 mils (76 micron). |
| Step 2 | Uniform primer application achieving 2 to 3 mil WFT. Primer should be "dry to touch" before application of inner layer. |
| Step 3 | If required, apply weld seam coating or filler material |
| Step 4 | Spirally or circumferentially apply the adhesive with a 1% to 2% neckdown. A minimum of two layers of the adhesive shall be applied. |

Application Procedure

- Step 5** If a single adhesive layer is required, then a mechanical protection outer wrap layer (905, 954, 955) shall be applied over the single layer of adhesive.
- Step 6** Perform holiday detection per NACE SPO274

Specification of Tape

Tape Coatings are available in roll form.

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|--------------------------------|---------------------------|
| Product type | Standard Ordering options |
| Total tape thickness | 0.89mm, 1.27mm, 1.65mm |
| Tape backing colour | Black |
| Tape width in mm | 50,100,150 |
| Tape roll length in M | 15 |
| Tape inner core diameter in cm | 4.1, 7.6 |

Handling and Commissioning

Exposure to loads Objects coated with Mak PE Pipe Wrap should not be exposed to loads e.g. from supports- or lifting equipment.

Backfill is possible immediately after completion of the coating application. Consult application guidelines for specific instructions. Backfill should be clean and not contain any foreign items that can cause damage to the coating system.

Disclaimer

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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