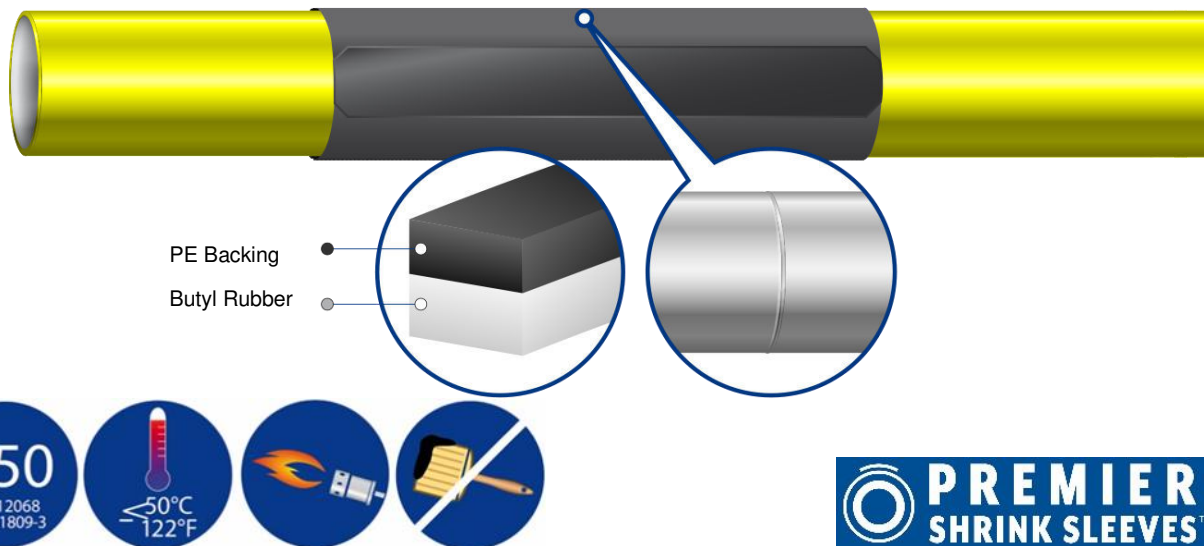


Premier Shrink Sleeve 50 ST

with thermal indicator and separate closure patch



Description

Premier Shrink Sleeve 50 ST is a warm-applied corrosion protective sleeve. It is used for the protection of welded field joints on buried or above ground pipelines and can be applied on-site. It meets the requirements of stress class C for continuous operating temperatures up to 50 °C according to DIN EN 12 068 and DIN 30 672. Other site applications include the repair of mechanical defects in PE or PP factory coatings.

Compatibility

Premier Shrink Sleeve 50 ST is compatible with factory coatings of PE, PP, Epoxy resin, polyurethane and bitumen.

System

Premier Shrink Sleeve 50 ST system is simply comprised of a single layer shrinkable sleeve. No primer is required.

Each sleeve consists of a crosslinked and stabilised PE backing coated with a butyl rubber adhesive.

Indicator

The surface pattern of the sleeve is a thermal indicator. With sufficient heat, the surface becomes smooth.

Characteristics

- High-quality field coating,
- Mechanically protective backing,
- Requires no primer, and
- Provides proven corrosion protection.

Complementary products

Premier Butyl™ Mastic

Non-curing, permanently plastic butyl rubber mass, easy to form by hand, for the padding of uneven surfaces and for the prevention from cavitation.

Premier Melt Stick

For the repair of minor damages to the PE factory coating

Premier Patch Repair Kit

Warm-applied repair patch comprising crosslinked PE coated with melt adhesive. Can be used for the repair of mechanical damage in factory coatings of PE or PP.

Characteristics

| | |
|-------------------------------|-----------------------------------|
| Backing | |
| Colour | Black |
| Nominal Thickness | 1.0 mm |
| Type | Crosslinked PE backing |
| Adhesive | |
| Colour | Black |
| Nominal Thickness | 1.5 mm |
| Type | Butyl coating |
| Hardness of PE film (Shore D) | ≥ 45 |
| UV resistance | Backing contains >2% carbon black |

Typical Properties

| | Typical Result | Test Method |
|---|-----------------------------------|--|
| Impact resistance | 15 J 6 J/mm | EN 12068 ISO 21809-3 |
| Breaking strength | 15 N/mm 15 MPa | EN 12068 / ISO 21809-3 EN 12068 / ISO 21809-3 |
| Elongation at break | 600% | EN 12068 |
| Water absorption | 0.05% | EN ISO 62 |
| Peel Strength (layer to layer) 23°C | 2 N/mm | EN 12068 |
| Peel Strength (layer to layer) 50°C | 0.2 N/mm | EN 12068 |
| Peel Strength (pipe surface) 23°C | 0.05 N/mm | EN 12068 / ISO 21809-3 |
| Peel Strength (pipe surface) 50°C | 0.01 N/mm | EN 12068 / ISO 21809-3 |
| Peel Strength (factory coating) 23°C | 0.05 N/mm | EN 12068 / ISO 21809-3 |
| Peel Strength (factory coating) 50°C | 0.01 N/mm | EN 12068 / ISO 21809-3 |
| Lap shear strength (steel surface) 23°C | 0.05 N/mm ² | EN 12068 / ISO 21809-3 |
| Lap shear strength (steel surface) 50°C | 0.05 N/mm ² | EN 12068 / ISO 21809-3 |
| Lap shear strength (factory coating) 23°C | 0.05 N/mm ² | EN 12068 / ISO 21809-3 |
| Lap shear strength (factory coating) 50°C | 0.05 N/mm ² | EN 12068 / ISO 21809-3 |
| Indentation Resistance (23°C) Residual Thickness | 10 N/mm ² ≥0.6 mm | EN 12068 / ISO 21809-3 |
| Specific electrical insulation resistance | >10 ¹⁰ Ωm ² | EN 12068 |
| Dielectric breakdown | >40 kV/mm | ASTM D149 |
| Cathodic disbondment, 28 days, 50°C | ≤4 mm | EN 12068 / ISO 21809-3 |

Application

See *Instructions for Use* for additional detail.

Availability

| Roll width | Roll length | Roll Area | Weight per roll |
|------------|-------------|---------------------|-----------------|
| 450 mm | 30 m | 13.5 m ² | 39 kg |
| 600 mm | 30 m | 18.0 m ² | 51 kg |

Kits are also available.

Storage conditions

Storage temperatures: +5 to 35°C

If stored in a dry, well ventilated place in original packaging.

Shelf life: 24 months (when stored as recommended)

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