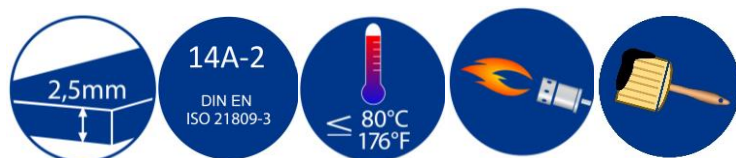
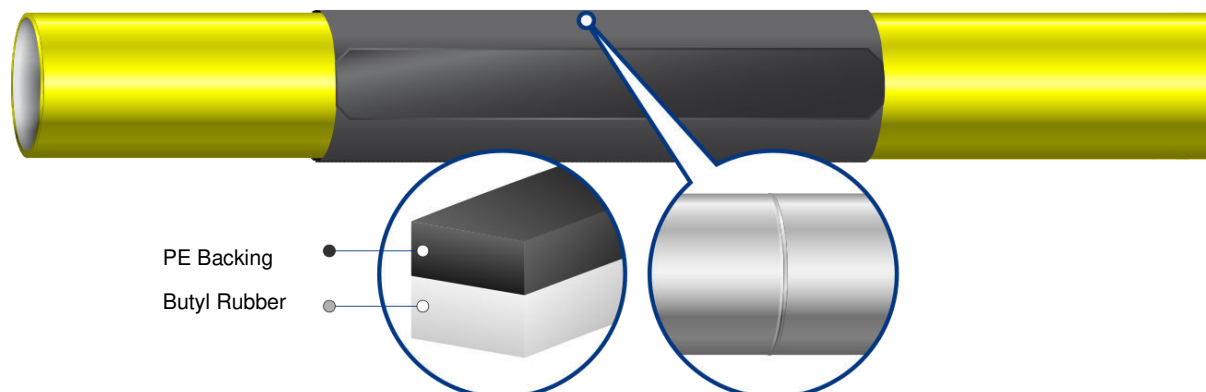


Premier Shrink Sleeve 80 ST

with thermal indicator and separate closure patch



Description

Premier Shrink Sleeve 80 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. Other site applications include the repair of mechanical defects in PE or PP factory coatings.

Compatibility

Premier Shrink Sleeve 80 ST is compatible with factory coatings of PE, PP, Epoxy resin, polyurethane and bitumen.

System

Premier Shrink Sleeve 80 ST system is simply comprised of a single layer shrinkable sleeve over Premier Butyl™ P16HT Primer.

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,
- Suitable for operating temperatures up to 80°C
- Mechanically protective backing, and
- Provides proven corrosion protection.

Complementary products

Premier Melt Stick

For the repair of small damage in the PE factory coating.

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)	53
UV resistance	Backing contains >2% carbon black

Typical Properties

	Typical Result	Test Method
Impact resistance	16 J	EN 12068
	6.4 J/mm	ISO 21809-3
Breaking strength	40 N/mm	EN 12068
	40 MPa	EN 12068
Elongation at break	600%	EN 12068
Water absorption	0.05%	EN ISO 62
Peel Strength (layer to layer) 23°C	8.5 N/mm	ISO 21809-3
Peel Strength (layer to layer) 80°C	0.09 N/mm	ISO 21809-3
Peel Strength (pipe surface) 23°C	3.5 N/mm	ISO 21809-3
Peel Strength (pipe surface) 80°C	0.1 N/mm	ISO 21809-3
Peel Strength (factory coating) 23°C	3.5 N/mm	ISO 21809-3
Peel Strength (factory coating) 80°C	0.1 N/mm	ISO 21809-3
Lap shear strength (steel surface) 23°C	0.1 N/mm ²	EN 12068 / ISO 21809-3
Lap shear strength (steel surface) 80°C	0.05 N/mm ²	EN 12068 / ISO 21809-3
Lap shear strength (factory coating) 23°C	0.1 N/mm ²	EN 12068 / ISO 21809-3
Lap shear strength (factory coating) 80°C	0.05 N/mm ²	EN 12068 / ISO 21809-3
Indentation Resistance (23°C)	10 N/mm ²	EN 12068 / ISO 21809-3
Residual Thickness	0.6 mm	
Indentation Resistance (80°C)	10 N/mm ²	EN 12068 / ISO 21809-3
Residual Thickness	0.6 mm	
Specific electrical insulation resistance	>10 ¹⁰ Ωm ²	EN 12068
Dielectric breakdown	44 kV/mm	ASTM D149

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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