

# MIS-100

## Wraparound Sleeves for Offshore Pipeline Joints

MIS-100 heat shrinkable sleeve series provides superior direct-to-pipe corrosion protection for offshore pipeline joints. The product has been specifically developed to meet the demanding offshore installation times while providing consistent joint-to-joint performance and easily enduring harsh infill operations.

### Robust and Reliable

- Crosslinked polyethylene backing works with purpose engineered adhesive to provide tight seal against corrosion at the pipe surface
- Adhesive is compatible with a variety of mainline coatings including 3LPP, 3LPE, FBE, AE and CTE

### Infill Ready

- MIS-100 shrink sleeves are designed to be used with lay barge applied infill systems including PU foam and solid PU and withstand high temperatures associated with the infill processes
- The MIS-100 sleeve system provides long term corrosion protection for pipelines operating up to 100°C

### Maximize Cost Savings

- One-piece sleeve construction with pre-attached closure reduces installation time, resulting in high production rates
- Low preheat adhesives result in fast pipe preparation and reliable sleeve application



### Applications



Offshore Pipelines



Oil &amp; Gas



Infill Systems



Reel, J &amp; S Lay



Girth-Weld Joints



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## Wraparound Sleeves for Offshore Pipeline Joints

Sleeve Operating Characteristics		MIS-100	
Maximum Operating Temperature*		100°C	
Minimum Installation Temperature		90°C	
Mainline Coating Compatibility		PE, PP, FBE, AE, CTE	
Adhesive Properties	Standard	Typical Value	
Softening Point	ASTM E28	124°C	
Lap Shear @ 23°C	ISO 21809-3	30 N/cm <sup>2</sup>	
Backing Properties			
Tensile Strength	ASTM D638	22 MPa	
Elongation	ASTM D638	600%	
Hardness - Shore D	ASTM D2240	55	
Dielectric Strength	ASTM D149	35 kV/mm	
Volume Resistivity	ASTM D257	10 <sup>17</sup> ohm-cm	
Water Absorption	ASTM D570	0.05%	
Sleeve Properties			
Adhesion Strength @ 23°C	ISO 21809-3	50 N/cm	
Impact Resistance	ISO 21809-3	15 J	
Indentation Resistance	ISO 21809-3	0.65 mm (Pass)	
Cathodic Disbondment	ISO 21809-3	10 mm	
Thickness Designation**	'/T'	'/L'	'/S'
Backing Thickness	0.9 mm (0.035")	0.9 mm (0.035")	1.1 mm (0.045")
Adhesive Thickness	0.9 mm (0.035")	1.1 mm (0.045")	1.5 mm (0.060")

\* Actual maximum operating temperature is dependent on project requirements.

\*\* Custom thicknesses are also available. Contact your Canusa-CPS representative for details.

The product information shown here is intended as a guide for standard products.

Consult your Canusa representative for specific projects or unique applications at [info@canusacps.com](mailto:info@canusacps.com).



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### Quality Management system registered to ISO 9001

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the product data sheet when used in compliance with Canusa's written instructions. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. Canusa's liability is stated in the standard terms and conditions of sale. Canusa makes no other warranty either expressed or implied. All information contained in this data sheet is to be used as a guide and is subject to change without notice. This data sheet supersedes all previous data sheets on this product. E&OE

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Since 1967, Canusa-CPS has been a leading developer and manufacturer of specialty pipeline coatings for the sealing and corrosion protection of pipeline joints and other substrates. Canusa-CPS high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate many specific project applications.