

# MIS-65 & MIS-100

## Wraparound Sleeves for Offshore Pipeline Joints

MIS heat shrinkable sleeve series provides superior direct-to-pipe corrosion protection for offshore pipeline joints. These products have 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 Asphalt Enamel, 3LPP, 3LPE, FBE and Tape

### Infill Ready

- MIS 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 sleeve systems provide 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



# MIS-65 & MIS-100

## Wraparound Sleeves for Offshore Pipeline Joints

Sleeve Operating Characteristics		MIS-65	MIS-100	
Maximum Operating Temperature*		65°C	100°C	
Minimum Installation Temperature		75°C	90°C	
Mainline Coating Compatibility		Bitumen, Tape, CTE, FBE, PE	PE, PP, FBE, AE, CTE	
Adhesive Properties		Standard	Typical Value	
Softening Point	ASTM E28	102°C	124°C	
Lap Shear @ 23°C	ISO 21809-3	15 N/cm	30 N/cm <sup>2</sup>	
Backing Properties				
Tensile Strength	ASTM D638	24 MPa	22 MPa	
Elongation	ASTM D638	600%	600%	
Hardness - Shore D	ASTM D2240	57	55	
Dielectric Strength	ASTM D149	35 kV/mm	35 kV/mm	
Volume Resistivity	ASTM D257	10 <sup>18</sup> ohm-cm	10 <sup>17</sup> ohm-cm	
Water Absorption	ASTM D570	0.05%	0.05%	
Sleeve Properties**				
Adhesion Strength @ 23°C	ISO 21809-3	15 N/cm	50 N/cm	
Impact Resistance	ISO 21809-3	≥ 5 J/mm	15 J	
Indentation Resistance	ISO 21809-3	Pass	0.65 mm (Pass)	
Cathodic Disbondment	ISO 21809-3	< 8 mm	10 mm	
Thickness		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.

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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.