

MIS-65 / MIS-100

Wraparound Sleeve for Offshore Heated Infill Systems

Canusa-CPS is a leading manufacturer of specialty pipeline coatings which, for over 30 years, have been used for sealing and corrosion protection of pipeline joints and other substrates. Canusa high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate your specific project applications.

Product Description

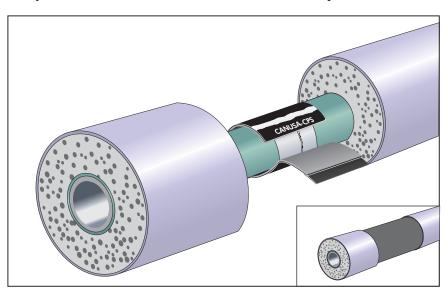
Corrosion Protection of Girth-Welds under heated infill systems on offshore service environments

MIS-65 and MIS-100 heat-shrinkable sleeves provide superior corrosion protection and effective long-term adhesion to pipelines operating offshore at temperatures up to 100°C (212°F). MIS-65 and MIS-100 sleeves are specifically engineered for use in combination with hot marine mastic pour, polyurethane foam or other infill systems. MIS-65 and MIS-100 sleeves are resistant to the severe conditions of hot mastic pour operations and maintain their full set of anti-corrosion properties. MIS-65 and MIS-100 are fully compatible with a wide range of pipeline coatings, including PP, FBE, PE, Coal Tar and Tape.

Features & Benefits

Flexible & Time Efficient Installation

MIS-65 and MIS-100 sleeves have a patented one-piece construction that incorporates a pre-attached closure seal. This contributes to a rapid and consistent field installation procedure. Without any requirements for the wrapping of multiple layers, the field installation is fast, efficient and in-line with timing requirements of offshore laybarge operations. The crosslinked high-density polyethylene (HDPE) backing is designed to provide a rapid and consistent shrink response when installed with propane torch MIS-65 and MIS-100 sleeves can be conveniently wrapped and installed in low ambient temperatures due to its excellent low temperature flexibility attributes.



Unique Adhesive Technology

Canusa's unique (open time) adhesive technology allows for lower installation preheat temperatures, superior adhesion to a wide range of mainline pipe coatings and consistent performance in rugged offshore environments. The adhesive has been formulated to provide long-term adhesion and excellent cathodic disbondment resistance properties.

Hot Mastic & Foam Infill Compatibility

MIS-65 and MIS-100 sleeves can be used with hot mastic pour, polyurethane foam or other infill systems to provide effective long-term corrosion protection. MIS-65 and MIS-100 sleeves are resistant to hot mastic pour systems and meet the requirements of the Drum Skin Test for high temperature effects.

Maximize Cost Savings

Precious time is saved in several areas when using MIS-65 and MIS-100 sleeves on laybarge operations in combination with infill systems; lower preheat temperature equates to lower installation times, single wrap configuration eliminates the requirements for muitiple wrapping, and the pre-attached closure seal means less time is used handling, positioning and installing the joint protection materials. The overall system minimizes installation time and labour costs while promoting high production rates.

Applications









Configurations

Wranid Sleeve™

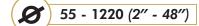






2-Layer

Pipe Sizes



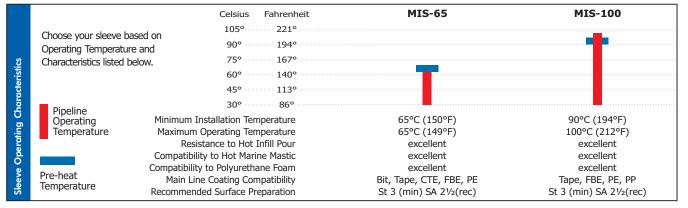
Temperature Range

up to 100°C (212°F)

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Wraparound Sleeve for Offshore Heated Infill Systems

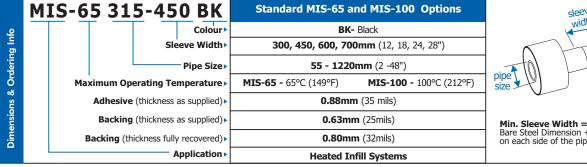
Product Selection Guide



Typical Product Properties

Adhesive	Softening point Lap shear @ 23°C	Test Standard ASTM E28 DIN 30 672	Unit °C (°F) N/cm² (psi)	MIS-65 102 (216) 40 (58)	MIS-100 124 (255) 52 (75)	
Backing	Tensile strength Elongation Heat Aging - Elongation @ Break Heat Shock - 4hrs @ 250°C Hardness Abrasion resistance Volume Resistivity Dielectric Strength	ASTM D638 ASTM D638 ASTM D638 ASTM D2671 ASTM D2240 ASTM D1044 ASTM D257 ASTM D149	MPa (psi) % % Visual Shore D mg ohm-cm kV/mm	24 (3480) 700 500 pass 52 30 10 ¹⁸ 20	24 (3480) 700 500 pass 52 30 10 ¹⁸ 20	
Sleeve	Impact Indentation Resistance Peel Strength to Steel, PE, PP Peel Strength @ 23°C Cathodic Disbondment @ 23°C Cathodic Disbondment @ max OT Hot Water Immersion Water Absorption Low Temp. Flexibility Drum Skin Test Fully Recovered Thickness	DIN 30 672 DIN 30 672 ASTM D1000 DIN 30672 ASTM G8 ASTM G42 ASTM D870 ASTM D570 ASTM D2671-C D024 A P50-F SD004	N/cm (pli) N/cm (pli) Mm rad mm rad Visual % °C (°F) Visual mm (mils)	> 8 J no holiday @ 10kV 80 (46) 65 (37) 8 10 pass 0.05 -14 (7) no melt or sag 1.8 (73)	> 8 J no holiday @ 10kV 115 (66) 90 (51) 17 20 pass 0.05 -15 (5) no melt or sag 1.8 (73)	
Resistance to Infill	Visual Inspection Change in Peel Strength Change in Tensile Strength Change in Elongation	pipe 24", mold 26", mastic @ ASTM D1000 ASTM D638 ASTM D638	200°C Visual % % %	pass, no holidays @ 10kV < 10% < 15% < 15%	pass, no holidays @ 10kV < 10% < 15% < 15%	

How To Order:



sleeve width Min. Sleeve Width = Bare Steel Dimension + **50 mm** (2") on each side of the pipe joint.

The above represent standard ordering options. Consult your Canusa representative for any unique project requirements or CanusaWrap™ configuration.



Canada

CANUSA-CPS a division of SHAWCOR LTD. 25 Bethridge Road Rexdale, Ontario M9W 1M7, Canada Tel: +1 (416) 743-7111

Fax: +1 (416) 743-5927

U.S.A./Latin America

CANUSA-CPS a division of SHAWCOR INC. 2408 Timberloch Place Building C-8 The Woodlands, Texas 77380, U.S.A. Tel: +1 (281) 367-8866 Fax: +1 (281) 367-4304

Europe/Middle East

CANUSA-CPS Canusa Cystems Ltd. Unit 3, Sterling Park Gatwick Road Crawley, West Sussex England RH10 9QT Tel: +44 (1293) 541254 Fax: +44 (1293) 541777

Asia/Pacific CANUSA-CPS BrederoShaw (S) Pte Ltd 101 Thomson Road #17-01/02, United Square Singapore 307591 Tel +65-6732-2355 Fax +65-6732-9073

www.canusacps.com

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the installation guide 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 installation guide is to be used as a guide and is subject to change without notice. This installation guide supersedes all previous installation guides on this product. FROF