

HBMS100 HEAT SHRINKABLE WRAP-AROUND SLEEVE

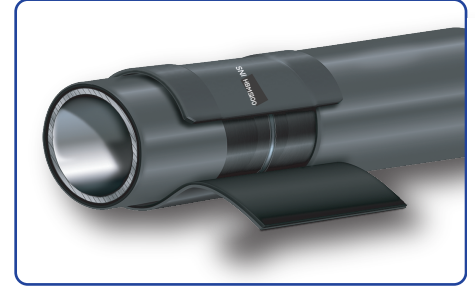
PRODUCT DATA SHEET

2-layer Girth Weld Field Joint Coatings

DESCRIPTION

HBMS100 Heat shrinkable wrap-around sleeve is designed for corrosion protection of girth weld joint buried steel pipeline, especially for 3LPE / 3LPP / DFBE/FBE/CTE/HDPE/AE/NEOPRENE/EPDM/PAINT factory coating pipeline

Construction	Two-Layer system
First layer	Low-preheat Adhesive (Mastic sealant / Hotmelt/ Butyl base)
Second layer	Radiation cross-linked, high density polyethylene backing, backing with SIP (Shrink Indicator Pattern)



FEATURES AND BENIFITS

- ▶ Saves time and cost by lower pre-heat temperature.
- ▶ Excellent performance for aging and provide best shelf life.
- ▶ Excellent multi-functional adhesive allow for lower installation pre-heat temperature and super bonding to PE/DFBE/FBE/CTE/HDPE/AE/NEOPRENE/EPDM/PAINT offer fully resistant to shear forces induced by soil and thermal movements
- ▶ Covers a wide range of operating temperature ratings, offers the optimum barrier long term protection against corrosion
- ▶ Embossed backing provides a Shrink Indicator Pattern for application of heat, ensures correct application heating

SELECTION CRITERIA

HBMS100	
Standard Reference	EN 12068, ISO 21809-3 14 A2 & A 3, AWWA C 216
Compatible line coatings	PE/FBE/DFBE/CTE/HDPE/AE/NEOPRENE/EPDM/PAINT
Soil stress restriction	Moderate
Max. operating temperature	100°C
Pre-heat temperature	70~100 °C(Manual/Induction (Optional)
Recommended pipe preparation	Min. St 2~3 or Sa 2 ^{1/2}

ORDERING INFORMATION

HBMS100 type products are available:

- ▶ As cut piece (pre-cut sleeve with separate closure patch)
- ▶ As a roll (closure patches to be ordered separately)

Select sleeve width that will overlap onto the mill-applied coating by 2 inches (50 mm) minimum on each side of the weld joint

Sleeve width (mm): 16", 18", 20", 24"
Other width (10"-36") are available as per Customer special requirement

Product thickness (mm)		
Backing (as supplied)	Adhesive (as supplied)	Total thickness (recovered on pipe)
0.8 ~ 1.1	1.0 ~ 1.8	1.8 ~ 3.0

Other sleeve thickness from 1.4 to 3.5mm are available as per requirement

STANDARD ORDERING OPTIONS

Cut piece (Pre-Cut sleeve with separate closure patch)		Roll form (closure patches to be ordered separately)	
Example:	HBMS100-12X18/2.2	Example:	HBMS100-18 X100/2.2-RL
100	Operating Temperature 100°C	100	Operating Temperature 100°C
12	Outside pipe diameter in inch	18	Roll width in inch
18	Sleeve width in inch	100	Roll length in feet
2.2	Sleeve thickness in mm	2.2	Roll thickness in mm
		-RL	Supplied in rolls

Sleeve cut lengths and appropriate closure patch widths depend on the pipe size and product construction ,please consult with SNI Representative and refer installation Manual

CLOSURE PATCH

Example: CP-4X18

4 Closure patch width in inches 4" (100 mm), 6" (150 mm), 8" (200 mm)

18 Closure patch length in inches 16", 18", 20" 24"

PRODUCT PROPERTIES

PE BACKING

PROPERTY	TEST METHOD	TYPICAL VALUES
Tensile strength	ASTM D-638	23.5 MPa
Elongation	ASTM D-638	622%
Hardness, Shore D	ASTM D-2240	56
Shrink force @ 150°C	ASTM-638	41 psi
Di-electric voltage breakdown	ASTM D-149	35kV/mm
Moisture absorption	ASTM D-570	0.03%

ADHESIVE

Softening point	ASTM E-28	>120°C
Lap shear @23°C	ISO 21809-3	6 N/mm ²

SLEEVE

Peel to steel @23°C	ISO21809-3/DIN 30672	50 N/cm
Peel to steel @23°C	AWWA C216/ASTM D1000	43 pli
Impac Resistance @80°C	ISO21809-3	5 J/mm. No Holiday
Hot Water Immersion 100 days @80°C	ISO21809-3	P100/P0 ≥0.75
Cathodic disbondment @23°C	ISO21809-3	< 8.5mm
Low Temperature Flexibility	ASTM D-2671-C	-40 °C

Note: The typical values in this data sheet are based on lab prepared samples. For project specific requirements please consult with SNI INDIA

STORAGE

Indoor, clean, dry away from direct sunlight in a cool place below +50°C

INSTALLATION

For proper installation and performance please refer our installation instruction

PERSONAL QUALIFICATION

Installation of the HBMS100 coating system should be carried out by SNI INDIA certified personnel



Please read all information in the general guidelines, product data sheets, guide specifications, and material safety data sheets (MSDS) before applying the material. Published technical data and instructions are subject to change without notice. Contact your local SNI India LLP representative or visit our website for current technical data and instructions.

Disclaimer

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