

SNI INDIA

PRODUCT DATA SHEET

HBMS65 Heat Shrinkable Wrap-around

2-layer Girth Weld Field Joint Coatings

Description /

HBMS65 Heat shrinkable wrap-around sleeve is designed for corrosion protection of girth weld joint buried steel pipeline, especially for 3LPE/DFBE/CTE/HDPE factory coating pipeline.

Construction : Two-Layer system

First layer : Low-preheat Adhesive (Mastic sealant / Hotmelt) Second layer: Radiation cross-linked, high density polyethylene backing, backing with SIP (Shrink Indicator Pattern)



Features & Benefits 💋

- \succ 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 offer fully resistant to shear forces induced by soil and thermal movements
- > Superior cathodic disbondment and hot water immersion resistance 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

	HBMS65
Standard Reference	EN 12068 Class C 50 UV, ISO 21809-3 14 A 2, AWWA C 216
Compatible line coatings	PE/FBE/DFBE/CTE/AE
Soil stress restriction	Moderate
Max. operating temperature	65°C
Pre-heat temperature	50°C
Recommended pipe preparation	St 2~3

Ordering Information

HBMS65 type products are available:

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

Product thickness (mm)Backing (as supplied)Adhesive (as supplied)Total thickness (applied) $0.8 \sim 1.1$ $1.0 \sim 1.8$ $1.8 \sim 3.0$

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

Other sleeve thickness from 1.4 to 3.2mm are available as per requirement.

Sleeve width (mm): 16", 18", 20", 24"

Other width (10"-36") are available as per Customer special requirement.

Standard Ordering Options

	Cut piece (Pre-Cut sleeve with separate closure patch)		Roll form (closure patches to be ordered separately)
Example:	HBMS65-12 X18/2.2	Example:	HBMS65-18 X100/2.2-RL
65	Operating Temperature 65°C	65	Operating Temperature 65°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, refer installation Manual.





Closure Patch

- Example: CP-4X18 4 Closure patch width in inches
 - 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

Properties	Test Method	Typical Values
Tensile strength	ASTM D-638	23MPa
Elongation	ASTM D-638	620%
Hardness, Shore D	ASTM D-2240	55
Shrink force @ 150°C	ASTM-638	40 psi
Di-electric voltage breakdown	ASTM D-149	35kV/mm
Moisture absorption	ASTM D-570	0.04%

Adhesive

Softening point	ASTM E-28	>110°C
Lap sheer	EN 12068	
@23°C		0.3N/mm ²
@ 65°C		0.08N/mm ²

Sleeve

Peel to Steel @23°C	EN12068/ ISO21809-3	1.5 N/mm
Peel to Steel @30°C	AWWA C216/ASTM D1000	3.5 N/mm
Impact Resistance	ASTM G14/ EN12068, Class C / ISO21809-3	80 in-Ibf 8J ~ 15J*. No Holiday (* <i>Based on Thickness</i>)
Hot Water Immersion 120 days @65ºC	ASTM D-870	No de-lamination, no blisters or water ingress
Cathodic disbondment @65°C	EN12068, 28 days / ISO21809-3	< 7.5mm
Low Temperature Flexibility	ASTM D-2671-C	-14 °C
Penetration Resistance @65°C	EN12068, Class C/ ISO21809-3	>0.6mm residual thickness

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

Sales & Marketing

524, Commodity Exchange Building,

Sector 19A, Vashi - 400705,

Navi Mumbai Maharashtra, India

Installation: For proper installation and performance please refer our installation instruction

Personnel Qualification: Installation of the HBMS65 coating system should be carried out by SNI INDIA certified personnel



SHRI NARAYAN IMPAC INDIA LLP

Works

Plot No. 558-559, GIDC-2 Halol, Maswad Industrial Estste, Halol - 389350 Dist-Panchmahal, Gujrat, India.

SNI INDIA ACQUIRED "RAYCHEM RPG" PIPELINE BUSINESS w.e.f. 1st October 2020

Registered Office

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