



WSS80 Heat shrinkable wraparound sleeve



Product description: For corrosion protection of oil, gas, petrochemical, and waste water underground or overhead pipelines.
Construction: Three-layer system
First layer: Liquid epoxy, solvent-free two-component.
Second layer: High shear strength copolymer adhesive.
Third layer: Thick, fiberglass reinforced, radiation cross-linked polyethylene.

Product features/benefits:

- Superior Force Cured Epoxy :Force cured epoxy cannot be displaced during the aligning and shrinking stages of the sleeve installation.
- Unique Adhesive Technology: Allows for lower installation pre-heat temperatures and superior bonding to PE, PP and FBE coatings.Adhesive has been formulated to bond directly to the main line coating
- Flexible Installation
- Long Term Corrosion Protection:Provides a protective coating with the structural integrity of a seamless tube, providing excellent resistance to cathodic disbondment and excellent durability against abrasion and chemical attack
- Saves Time & Money

Application:



Oil & Gas



Water Pipelines



Offshore Pipelines



Onshore Pipelines

Operating Characteristics

Operating Characteristics	Test Method	Typical Values
Pipeline Operating Temp		80°C
Minimum Installation Temp		85°C
Mainline Coating Compatibility		PE,FBE,PP

Adhesive Properties	Test Method	Typical Values
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Softening Point	ASTM E28	120°C			
Lap Shear @ 23°C	ASTM D1002-05	1			
Backing Properties					
Tensile Strength	ASTM D638	24MPa			
Ultimate Elongation	ASTM D638	550%			
Hardness	ASTM D2240	50Shore D			
Water absorption @ +25C For 24 hours	ASTM D570	0.001%			
Dielectric Voltage Breakdown	ASTM D149	35MV/m			
Volume Resistivity	ASTM D257	4.0X10 ¹⁵ ohm-cm			
Sleeve Properties					
Adhesion Strength @ 23°C	GB/T2792-98	140 N/cm			
Impact Resistance	GB/T2792-98	Pass			
Indentation Resistance	ASTM D1000	Pass			
Cathodic Disbondment @ 70°C, 30 days	ASTM D570	18			
Low Temp. Flexibility	ASTM D2671C	>-30° C			
Nominal Size As Supplied					
Pipe Size		Pipe OD (mm)	Sleeve Length (mm)	Closure Width (mm)	Backing / Adhesive thickness (mm)
DN(mm)	Inch (")				
100	4	114	500	100	≥1.2/0.8
125	5	141	600	100	≥1.2/0.8
150	6	168	690	100	≥1.2/0.8
200	8	219	850	125	≥1.2/0.8
250	10	273	1040	125	≥1.2/0.8
300	12	324	1230	125	≥1.2/0.8
350	14	356	1340	125	≥1.2/0.8
400	16	406	1490	125	≥1.5/0.8
450	18	457	1660	125	≥1.5/0.8
500	20	508	1840	125	≥1.5/0.8
600	24	610	2180	150	≥1.5/0.8
700	28	711	2400	150	≥1.5/0.8
800	32	813	2750	150	≥1.5/0.8
900	36	914	3090	150	≥1.5/0.8
1000	40	1016	3430	200	≥1.5/0.8
1100	44	1120	3780	200	≥1.5/0.8
1200	48	1220	4120	200	≥1.5/0.8
1400	56	1420	4790	200	≥1.5/0.8
1500	60	1520	5130	200	≥1.5/0.8
1600	64	1620	5460	200	≥1.5/0.8
1700	68	1720	5800	200	≥1.5/0.8
1800	72	1820	6130	200	≥1.5/0.8

1900	76	1920	6470	200	$\geq 1.5/0.8$
2000	80	2020	6800	200	$\geq 1.5/0.8$
2200	88	2200	7410	200	$\geq 1.5/0.8$