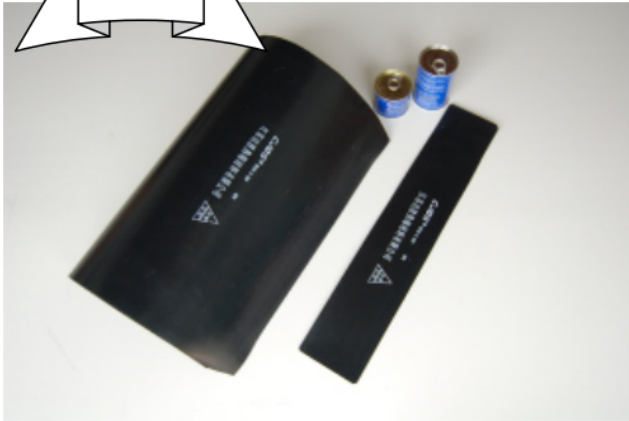


## WSS 60 / WSS 80

## WRAPAROUND SHRINK SLEEVE For joint coating of pipelines



### PRODUCT DESCRIPTION

WSS 60 and WSS 80 sleeves consist of a radiation cross-linked heat shrinkable backing, coated on the inside with a heat activated adhesive. While the modified polyethylene material of the backing offers superior mechanical protection, the specially formulated adhesive offers excellent corrosion protection under demanding conditions. Used in conjunction with the proprietary epoxy primer, the 3 layer system is the choice of discerning clients who need long term corrosion protection. The system is suitable for most of the common pipeline coatings like PE, PP, FBE etc.

### SPECIFICATIONS

Property	Test Method	WSS 60	WSS 80
Operating Temperature		Up to 60°C	Up to 80°C
<b>Backing</b>			
Tensile Strength	ASTM D638	2,600 psi	2,900 psi
Elongation	ASTM D638	550%	550%
Hardness, ShoreD	ASTM D2240	50	50
Shrink Force	ASTM D638	35 psi	35 psi
Dielectric Strength	ASTM D149	20kV/mm	20kV/mm
Specific electrical insulation resistance R <sub>S100</sub>	DIN EN 12068	1x 10 <sup>10</sup> Ω-cm	1x 10 <sup>10</sup> Ω-cm
Water Absorption	ASTM D570	< 0.05% (Wt)	< 0.05% (Wt)
<b>Adhesive</b>			
Softening Point	ASTM E28	103°C	112°C
Lap Shear	ASTM D1002	200 N/cm <sup>2</sup> @23°C	400 N/cm <sup>2</sup> @23°C
Lap Shear	DIN EN 12068	32 N/cm <sup>2</sup> @60°C	11 N/cm <sup>2</sup> @80°C
<b>Installed Product</b>			
Peel Strength	DIN EN 12068	65 N/cm @ 23°C	85 N / cm @ 23°C
Impact Resistance	DIN EN 12068	> 15 J	> 15 J
Indentation Resistance	DIN EN 12068	> 2.0mm @ 60°C	> 2.0mm @ 80°C
Cathodic Disbandment	DIN EN 12068	< 5mm rad. @ 23°C	< 5mm rad. @ 23°C
Cathodic Disbandment	DIN EN 12068	< 12mm rad. @ 60°C	<10mm rad. @ 80°C
Resistance to thermal Ageing	DIN EN 12068	After 100 days @ 80°C	After 100 days @ 100°C
- Tensile strength ratio		0.9	0.9
- Elongation ratio		0.9	0.8

Disclaimer:

The above information is for guidance only and is subject to change without notice.

**RANGE**

Standard manufacturing range covers the following sizes and dimensions:

Dimension	Range
Sleeve width	Up to 720mm
Backing thickness (recovered)	1.0mm to 1.5mm
Adhesive thickness	0.8mm to 2.0mm
Roll length	10M, 15M & 30M

**PACKING & DELIVERY**

WSS 60 & WSS 80 Sleeves can be delivered as kits or in roll form. Each factory assembled kit will consist of one sleeve, suitable for a particular pipe size, a separate closure seal and pre-measured quantities of solvent free, two-part epoxy primer. In addition, the kits will also contain small tools like mixing stick, application pads and gloves. In the event of ordering sleeve rolls, closure seals and epoxy primer kits can be ordered separately.

**APPLICATION GUIDE**

Pipe Size		Pipe OD	Sleeve Length	Closure Width	Epoxy Primer	
DN	Inch	(mm)	(mm)	(mm)	Part A (gms)	Part B (gms)
100	4	114	500	100	39	20
125	5	141	600	100	48	24
150	6	168	690	100	54	27
200	8	219	850	125	69	35
250	10	273	1040	125	84	42
300	12	324	1230	125	98	49
350	14	356	1,340	125	106	53
400	16	406	1,490	125	120	60
450	18	457	1,660	125	136	68
500	20	508	1,840	125	150	75
600	24	610	2,180	150	178	89
700	28	711	2,400	150	206	103
800	32	813	2,750	150	250	125
900	36	914	3,090	150	280	140
1000	40	1,016	3,430	200	388	194
1100	44	1,120	3,780	200	430	215
1200	48	1,220	4,120	200	446	223
1400	56	1,420	4,790	200	550	275
1500	60	1,520	5,130	200	585	290
1600	64	1,620	5,460	200	625	310
1700	68	1,720	5,800	200	665	330
1800	72	1,820	6,130	200	700	350
1900	76	1,920	6,470	200	750	375
2000	80	2,020	6,800	200	780	390
2200	88	2,200	7,410	200	850	425

**COATING REPAIR MATERIALS**

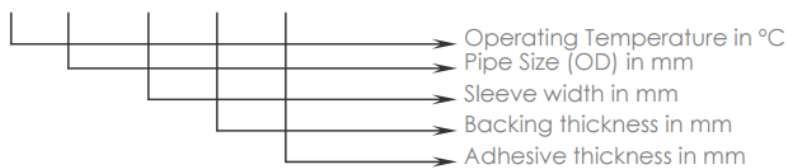
Repair Patch, Melt Stick & Mastic Filler are available separately. Please enquire with us.

**SLEEVE WIDTH**

Minimum sleeve width required is 100mm more than the width of the bare steel.

**ORDERING INFORMATION**

WSS 60 - 610 - 450 - 1.2 / 0.8



Note: When ordering as rolls, please replace Pipe Size with Roll Length in meters. e.g. "30M"

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