

# INR-110

## Corrosion protection and sealing sleeves for pre-insulated pipe joints

Canusa provides high performance, heat shrinkable products designed for the corrosion protection (INR-110) and sealing protection (K-60) of pre-insulated pipe joints.

INR-110 sleeves are specifically engineered for use in combination with polyurethane (PUR) foam or other infill systems. These sleeves are resistant to the conditions associated with the PUR foaming operation and maintain their full set of anti-corrosion properties. INR-110 sleeves are fully compatible with a wide range of pipeline coatings, including PP, FBE, PE, Coal Tar and Tape.



The Canusa Wrapid Sleeve™ Type K-60 is a one-piece wraparound sleeve used to seal and provide mechanical protection of exposed foam insulation. It consists of a cross-linked polyolefin backing, coated with a technologically advanced protective adhesive which effectively bonds to polyethylene outer jackets and foam insulation.

I) Operator Friendliness - One-piece, wraparound sleeves with a factory bonded closures and a specially engineered product thickness results in optimum installation time. Single wrap configuration eliminates the requirements for multiple wrappings.

II) Crosslinked Polyolefin Backing - Proprietary crosslinking technology provides superior resistance to PUR in-fill while ensuring longterm hoop stress.

III) Unique adhesive technology allows for a low surface preparation requirement while ensuring long-term adhesion and excellent cathodic disbondment resistance properties.

ADHESIVE	TEST STANDARD	UNIT	INR-110	K-60*
Softening Point	ASTM E28	°C (°F)	120 (248)	87 (189)
Lap Shear Strength	AIN 30 672	N/cm <sup>2</sup> (psi)	6 (9)	35

Backing

ADHESIVE	TEST STANDARD	UNIT	INR-110	K-60*
Specific Gravity	ASTM D792		0.95	0.93
Tensile Strength	ASTM D638	MPa (psi)	22(3190)	20
Elongation	ASTM D638%	%	600	600
Hardness	ASTM D2240	Shore D	52	46
Heat Shock - 4hrs @ 250°C	ASTM D2671	Visual	pass	pass
Abrasion Resistance	ASTM D1044	mg	30	45
<b>Sleeve</b>				
Peel Strength	DIN 30 672	N/cm (pli)	18 (10)	88
Water Absorption	ASTM D570	%	0.05	0.05
Low Temperature Flexibility	ASTM D2671	°C (°F)	-30 (-22)	-20 (-4)
Resistance to PUR in-fill	-	Pass/Fail	Pass	N/A
Drum Skin Test	D024 A P50-F SD004	Visual	no melt or sag	N/A

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