

SuperSeal

Heat shrinkable sleeve for protection of pre-insulated pipe joints

SuperSeal is a high performance, heat shrinkable product intended for sealing of pre-insulated pipe joints. SuperSeal provides superior barrier against moisture ingress while protecting the joints from the soil stresses associated with Pre-Insulated Pipelines.

Specifically designed for bonding to polyethylene pipes and casings, SuperSeal offers low substrate pre-heat temperature thus making the installation of this product simple, forgiving, and most importantly, reliable.

Effective Long Term Sealing

- A combination of cross-linked polyethylene backing with a layer of unique hot melt adhesive, results in a long term barrier impermeable to moisture.
- As part of an insulated pipe joint casing and sealing system, SuperSeal complies with the stringent requirements of the EN 489 standard.

Proven Track Record

- SuperSeal has been protecting joints of pre-insulated pipelines for over 25 years

Reliable and Consistent Performance

- Low installation pre-heat temperature ensures uniform and consistent bond to the substrate
- High performance backing provides superior mechanical strength required for high stress environments

Flexible Product Options Save Time and Money

- Available in three configurations: pre-cut to specific pipe size, bulk rolls and tubes
- Allows for lower inventories of pre-cut sleeves and just-in-time sleeve cutting, thus reducing cost



Applications



Pre-Insulated Pipes



Foam-In-Place



Pre-Foamed Joints



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Adhesive Properties	Test Method	Typical Values	
Softening Point	ASTM E28	90°C	
Lap Shear @ 23°C	EN 12068	135 N/cm ²	
Backing Properties			
Tensile Strength	ASTM D638	24 MPa	
Elongation	ASTM D638	700	
Hardness	ASTM 2240	48 Shore D	
Abrasion Resistance	ASTM D1044	35 mg	
Sleeve Properties			
Adhesion Strength @ 23°C	EN 12068	80 N/cm	
Water Absorption	ASTM D570	0.05 %	
Low Temp. Flexibility	ASTM D2671	-30°C	
Soil Box & Pressure Vessel Test*	EN 489	100 cycles, 30 kPa @ 30°C for 24 h (Tested with 8.0% sand humidity)	
Soil Box & Pressure Vessel Test	EN 489	1000 cycles, 100 kPa @ 40°C for 600 h (Tested with 8.0% sand humidity)	
Thickness	T	L	Tubes
Backing (nominal thickness as supplied)	0.6 mm	0.9 mm	0.6 mm
Adhesive (nominal thickness as supplied)	0.9 mm	1.3 mm	0.8 mm



Effective
long term sealing

Over 15 years of
in service sealing

*Tested as part of joint casing system

Since 1967, Canusa-CPS has been a leading developer and manufacturer of specialty pipeline coatings for the sealing and corrosion protection of pipeline joints and other substrates. Canusa-CPS high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate many specific project applications.

The product information shown here is intended as a guide for standard products.

Consult your Canusa representative for specific projects or unique applications.



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Quality Management system
registered to ISO 9001

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the product data sheet when used in compliance with Canusa's written instructions. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. Canusa's liability is stated in the standard terms and conditions of sale. Canusa makes no other warranty either expressed or implied. All information contained in this data sheet is to be used as a guide and is subject to change without notice. This data sheet supersedes all previous data sheets on this product. E&OE

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