

UltraSeal™

Advanced heat shrinkable sleeve for protection of pre-insulated pipe joints

UltraSeal™ represents the latest and most advanced in heat shrinkable sleeve technology for long term sealing and protection of insulated pipeline joints. UltraSeal™ provides exceptional protection from the soil stresses associated with Pre-Insulated Pipes while also delivering a superior barrier to water ingress. The technological advances incorporated into this product result in a very forgiving installation procedure offering the lowest installation temperature of any comparable system.

Fast, Forgiving and Robust Installation

- The revolutionary UltraSeal™ adhesive technology results in the **lowest installation temperature** of any comparable system
- Simple and forgiving installation procedure offers unrivalled assurance that **each and every joint will be protected in the same way**

Best in class, end-to-end performance

- UltraSeal™ adhesive offers the strongest bond to the substrate and the highest shear strength in its class, across a range of pertinent temperatures
- UltraSeal™'s fully integrated design delivers the highest level of end to end functional performance

Proven and reliable joint protection

- Cross-linked, high density polyethylene outer layer provides superior mechanical strength required in high soil stress applications
- Maximum sealing and mechanical protection of the joints is ensured by utilizing the **ultra-high performance adhesive across the entire width of the sleeve**
- UltraSeal™ meets and exceeds the requirements of the EN 489:2009 standard

Flexible Product Options Maximize Productivity

- Conveniently available in bulk rolls or pre-cut sleeve configurations



Applications



Pre-Insulated Pipes



Foam-In-Place



Pre-Foamed Joints



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Adhesive Properties	Test Method	Typical Values
Softening Point	ASTM E28	100°C
Lap Shear @ 23°C	EN 12068	300 N/cm ²
Lap Shear @ 45°C	EN 12068	125 N/cm ²
Backing Properties		
Tensile Strength	ASTM D638	24 MPa
Elongation	ASTM D638	600
Hardness	ASTM 2240	55 Shore D
Thermal Aging @ 150°C	ASTM D3045	21 days
Water Absorption	ASTM D570	0.05 %
Sleeve Properties		
Adhesion Strength @ 23°C	EN 12068	140 N/cm
Adhesion Strength @ 45°C	EN 12068	50 N/cm
Low Temp. Flexibility	ASTM D2671	-30°C
Soil Box & Pressure Vessel Test	EN 489:2009	100 cycles, 30 kPa @ 30°C for 24 h (Pipe sizes up to PE 450 tested)
Thickness		L
Backing (nominal thickness as supplied)		0.9 mm
Adhesive (nominal thickness as supplied)		1.3 mm



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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Canusa-CPS is registered to ISO 9001:2008

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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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.