

## 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, Bi-modal HDPE backing with a layer of unique hot melt adhesive, results in a long term barrier impermeable to moisture.
- 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 forgiving and thus repeatable installation
- High performance backing provides superior mechanical strength required for high stress environments

#### Flexible Product Options Save Time and Money

- Available in two configurations: pre-cut to specific pipe size and bulk rolls
- 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



# SuperSeal™

Heat shrinkable sleeve for protection of pre-insulated pipe joints

Adhesive Properties	Test Method	Typical Values	
Softening Point	ASTM E28	90°C	
Lap Shear @ 23°C	ISO 21809-3	225 N/cm <sup>2</sup>	
Backing Properties			
Tensile Strength	ASTM D638	26 MPa	
Elongation	ASTM D638	600	
Hardness	ASTM 2240	60 Shore D	
Specific Gravity	ISO 1183	0.94	
Sleeve Properties			
Adhesion Strength @ 23°C	ISO 21809-3	100 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*	
Thickness	T	1.75	L
Backing (nominal thickness as supplied)	0.6 mm	0.75	0.9 mm
Adhesive (nominal thickness as supplied)	0.9 mm	1.0	1.3 mm

Effective  
**long term sealing**

Over 15 years of  
**in service sealing**

\* Applies to 1.75 and L configurations

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.



## Canusa-CPS A division of Shawcor Ltd.

### Head Office

25 Bethridge Road  
Toronto, ON, Canada M9W 1M7  
Tel: +1 416 743 7111  
Fax: +1 416 743 5927

### Canada

Dome Tower St. 2200, 333-7th Avenue SW  
Calgary, AB, Canada T2P 2Z1  
Tel: +1 403 218 8207  
Fax: +1 403 264 3649

### Americas

5875 N. Sam Houston Pkwy W., Suite 200  
Houston, TX, USA 77086  
Tel: +1 281 886 2350  
Fax: +1 281 886 2353

### Middle East

Plot # 37-WR43, Sector no.: ICAD III  
Musaffah South, PO Box 2621  
Abu Dhabi, The United Arab Emirates  
Tel: +971 2 204 9800

### Europe, Africa & Russia

Dellaertweg 9-E, Gebouw "Le Carrefour"  
2316 WZ Leiden, The Netherlands (NL)  
Tel: +31 71 80 802 70  
Fax: +31 71 80 802 71

### Asia-Pacific

101 Thomson Road, #11-03 United Square  
307591 Singapore  
Tel: +65 6749 8918  
Fax: +65 6749 8919

## 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

PDS\_SuperSeal\_rev019