

# 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 <sup>2</sup>   |
| 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<br>(Tested with 8.0% sand humidity)    |
| Soil Box & Pressure Vessel Test             |        | EN 489      | 1000 cycles, 100 kPa @ 40°C for 600 h<br>(Tested with 8.0% sand humidity) |
| Thickness                                   | T      | L           | Tubes   |
| Backing<br>(nominal thickness as supplied)  | 0.6 mm | 0.9 mm      | 0.6 mm  |
| Adhesive<br>(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

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

PDS\_SuperSeal\_rev019

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.