

Shrink Film (WC-20R)

Heat shrinkable film for sealing foam on pre-insulated pipe joints

Canusa Shrink Film's function is to provide primary sealing of foam across pre-insulated pipe joints. This heat shrinkable product comprises of cross-linked polyethylene backing and a layer of mastic adhesive. During application, the adhesive softens and as the backing recovers it pushes the adhesive tightly against the foam. The unique characteristics of the adhesive utilized on the Shrink Film ensure maximum surface contact with the foam, thus sealing the foam across the entire length of the joint. In addition, upon shrinking, the cross-linked backing embraces the joints firmly through the application of hoop stress, thus establishing tightness of the product across the joint over the lifetime of the system.

End to End Foam Sealing

- Application specific adhesive formulation maximizes contact with foam surface thus providing complete sealing across entire length of the foam
- Excellent bond of the Shrink Film to the adjacent coating provides effective barrier against water ingress into the joint

Great Performance with Maximum Productivity

- Low installation pre-heat temperature and superior shrink rate result in simple and reliable installation
- Cross-linked polyethylene outer layer allows for fast installation and maintains hoop stress on the pipe over the design life of the pipeline

Integral Sealing of the Foam

- Shrink Film (WC-20R) provides the essential, primary sealing protection across the insulated joints and has been designed to work with external casings and coatings, such as Canusa SuperCase, to form a pre-insulated joint protection system



Applications



Pre-Insulated Pipes



Pre-Foamed Joints

Configurations



Wrap Around

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Adhesive Properties	Test Method	Typical Values
Softening Point	ASTM E28	120°C
Lap Shear @ 23°C	EN 12068	6 N/cm ²
Low Temp. Flexibility	ASTM D2671	-30°C
Peel to PE @ 23°C	ISO 21809-1	18 N/cm
Peel to PU Foam @ 23°C	ISO 21809-1	10 N/cm
Backing Properties		
Tensile Strength	ASTM D638	20 MPa
Elongation	ASTM D638	600%
Hardness	ASTM D2240	46 Shore D
Specific Gravity	ASTM D792	0.93
Water Absorption	ASTM D570	< 0.05%



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

PDS_Shrink Film (WC-20R)_rev010

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.