

UltraSealant™

ADHESIVE

PRODUCT DESCRIPTION

UltraSealant™ is a high-strength adhesive designed specifically for sealing the joint casing of pre-insulated pipes. UltraSealant™ is used in combination with ProSeal™ non-welded or welded shrinkable joint casing systems to prevent moisture ingress. The high strength of UltraSealant™ provides superior resistance to soil stresses incurred on buried pre-insulated pipelines.

PRODUCT PERFORMANCE

Long-Term Sealing Performance

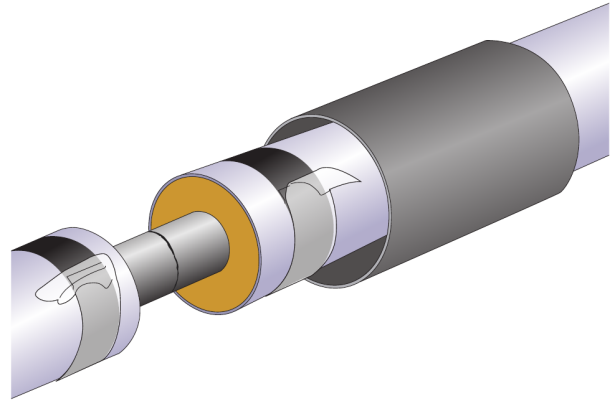
- A specialized semi-crystalline adhesive forms a strong bond to the factory jacket and casing, providing an effective seal against water.
- The fiber-reinforced system provides high shear strength against soil stress.

Field-Friendly, Consistent Installation

- The hybrid copolymer adhesive readily bonds to the casing and jacket at lower installation preheat temperatures, supporting consistent installation.
- The onset temperatures of both adhesive types are lower than the casing shrinkage temperature of 150 °C, supporting successful bonding to the pipe jacket and casing.



Fiber Reinforced Adhesive for Joint Casing of Pre-Insulated Pipes



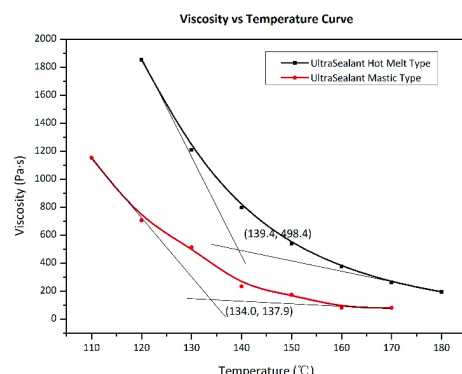
PRODUCT FEATURES

Performance

- Excellent soil-stress resistance for buried pre-insulated pipes (UltraSealant™ HT).
- Excellent resistance to moisture ingress at joints.

Application Benefits

- Requires surface abrasion and lower preheat temperatures.
- Fast and easy torch application.
- Excellent conformance to the joint profile.
- Excellent bond to the pipe jacket and joint casing.
- Fiber reinforcement supports application without excessive adhesive stretching.



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of Pre-Insulated Pipes

UltraSealant™ Adhesive

Test Method

UltraSealant™ HT

UltraSealant™ MT

Softening Point	ASTM E28	91 °C	110 °C
Lap Shear @ 23 °C	ISO 21809-3	290 N/cm ²	23 N/cm ²
Lap Shear @ 50 °C	ISO 21809-3	55 N/cm ²	1.7 N/cm ²
Adhesion Peel Strength @ 23 °C	EN 12068 (10 mm/min)	75 N/cm	-
	DIN 30672 (100 mm/min)	-	40 N/cm
Water Absorption	ASTM D570	< 0.1%	< 0.1%
Brittleness Temperature	ASTM D3111	< -15 °C	< -15 °C

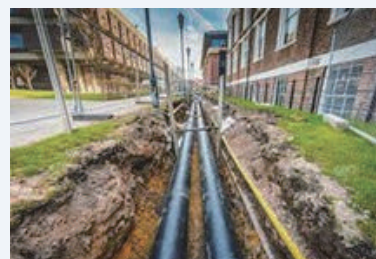
Product Thickness

Test Method

Typical Supplied

Adhesive Nominal Thickness

2.6 mm



290 North Queen St.
Suite 208
Etobicoke, ON M9C 5L2
Canada

Phone: +1 416 433 3186

advance-technology.com

consult@advance-tech.ca

Please contact Advance Technology for
further details.

