

ProSeal™

SLEEVE

PRODUCT DESCRIPTION

ProSeal™ is a polyethylene heat-shrink sleeve designed specifically for sealing pre-insulated pipe joints. ProSeal™ encapsulates the joint ends and prevents moisture ingress. The high mechanical strength of the ProSeal™ product offers superior resistance to soil stresses incurred on buried pre-insulated pipelines.

PRODUCT FEATURES

Performance

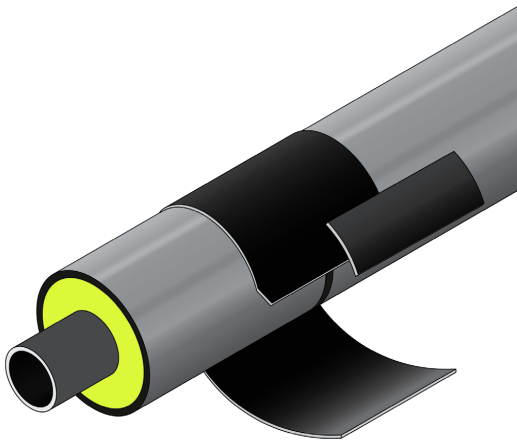
- Crosslinked backing maintains hoop stress for a long-term seal.
- PE80 sleeve backing provides superior ESCR performance.
- Excellent soil-stress resistance for buried pre-insulated pipes.
- Excellent resistance to moisture ingress at joints.

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.



Heat-Shrink Sleeve for Pre-Insulated Pipe Joints - EN 489 Approved (FFI - Germany)



STANDARD COMPLIANCE

STANDARD	COMPLIANCE
STANDARD NAME	
EN 489	Compliant*
Pre-insulated bonded pipe systems - joint assembly performance requirements	

* Compliance is subject to the approved AT product configuration, applicable qualification testing and project-specific requirements.

ProSeal™ SLEEVE

Heat-Shrink Sleeve for Pre-Insulated Pipe
Joints - EN 489 Approved

Sleeve Adhesive

	Test Method	Typical Values
Softening Point	ASTM E28	95 °C
Lap Shear @ 23 °C	ISO 21809-3	230 N/cm ²

Sleeve Backing

	Test Method	Typical Values
Tensile Strength	ISO 527	20 MPa
Elongation	ISO 527	600%
Hardness	ISO 868	60 Shore D
Specific Gravity	ISO 1183	0.945

ProSeal™ System Performance

	Test Method	Typical Values
Adhesion Peel Strength @ 23 °C	ISO 21809-3	> 110 N/cm
Water Absorption	ASTM D570	< 0.05%
Low-Temperature Flexibility	ASTM D2671	-30 °C
Soil-Box and Water Pressure Test (FFI)	EN 489	Pass

Product Thickness

	Test Method	Typical Supplied
Sleeve Backing Nominal Thickness		0.9 mm
Adhesive Nominal Thickness		1.2 mm



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