

ProCoat™

H60

PRODUCT DESCRIPTION

ProCoat™ H60 system delivers reliable corrosion protection and strong bonding performance for pipelines operating at temperatures up to 60°C. Designed for use with our proprietary liquid epoxy, the H60 system offers long-term protection and durability comparable to multi-layer factory-applied coatings, making it suitable for demanding pipeline construction and maintenance applications.

PRODUCT FEATURES

Advanced Adhesive Technology

- High-shear copolymer adhesive.
- Strong bonding to steel and mainline coatings.

Versatile Installation

- Lower pre-heat for quicker application.
- Available in bulk rolls or pre-cut sleeves.
- Suitable for varied field environments.

Reliable Long-Term Protection

- Seamless, durable corrosion barrier.
- High resistance to abrasion and chemicals.
- Maintains integrity under field conditions.



High-Performance Pipeline Joint Protection Sleeve



STANDARD COMPLIANCE

STANDARD	COMPLIANCE
STANDARD NAME	
ISO 21809-3:2016	Compliant*
Field joint coatings - heat-shrinkable materials	
CSA Z245.30:22	Compliant*
Field-applied external coatings for steel pipeline systems	
EN 12068:1998	Compliant*
External organic coatings - tapes and shrinkable materials	
EN 10329:2006	Compliant*
External field joint coatings for steel tubes and fittings	
DIN 30672:2000	Compliant*
Tapes and shrinkable materials for buried/underwater pipelines	
DNV-RP-F102:2021	Compliant*
Pipeline field joint coating and field repair of linepipe coating	
GB/T 23257-2017	Compliant*
Polyethylene coating for buried steel pipeline	
GB/T 51241-2017	Compliant*
Technical code for field joint coatings of pipeline	

* Compliance is limited to the relevant provisions applicable to heat-shrinkable sleeve field joint coating systems and is subject to the approved system configuration, application procedure and project-specific qualification requirements.

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Adhesive

	Unit	Typical Value	Test Method
Softening Point	°C	100	ASTM E28
Lap Shear @ 23°C	N/cm²	400	ISO 21809-3
Lap Shear @ 60°C	N/cm²	30	ISO 21809-3

Backing

	Unit	Typical Value	Test Method
Tensile Strength	MPa	17	ASTM D638
Elongation	%	500	ASTM D638
Hardness	Shore D	60	ASTM D2240

System Performance

	Unit	Typical Value	Test Method
Adhesion Strength @ 23°C	N/mm	15	ISO 21809-3
Impact Resistance		-30°C 3 J, no holiday	ISO 21809-3
Indentation Resistance @ 60°C		0.6 mm remaining (pass)	ISO 21809-3
Cathodic Disbondment @ 23°C, 28 days	mm	< 5	ISO 21809-3
Low-Temperature Flexibility @ -30°C		No cracking	ASTM D2671-C

Product Thickness

	Unit	Typical Supplied	Test Method
Sleeve Backing Nominal Thickness	mm	~1.0	
Adhesive Nominal Thickness	mm	~1.5	

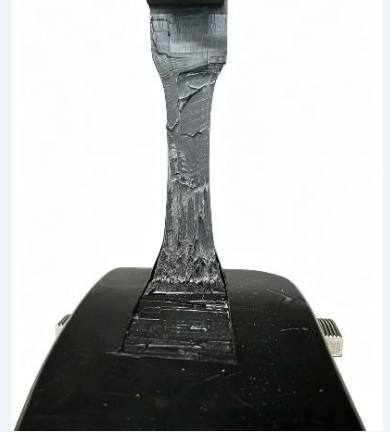


Figure 1. Peel Adhesion

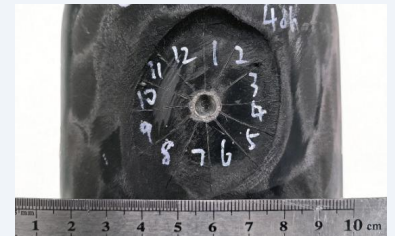


Figure 2. Cathodic Disbondment

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