CORE LINEPIPE

Manufacturers of Pre-lined and Pre-coated steel pipelines.

WHAT WE DO

CORE Linepipe® eliminates internal corrosion in extreme operating conditions by supplying a proprietary pipeline system that consists of:

- Steel pipeline with factory installed HDPE liner
- Premium electrofusion couplings to join HDPE
- Proprietary mechanical joining system (ClickWeld®) to connect steel tubulars, eliminating field welding
- Integrated field services, project support and pipeline design

PRODUCT PERFORMANCE

- CORE Linepipe® delivers pipelines that are durable, versatile, and meet the demands of the most extreme service conditions
- The HDPE liner is installed in a factory environment. The installation is closely controlled using our stringent QC programs
- CORE Liner® is a highly engineered system designed to reduce manpower, equipment, and quality issues. The process is consistent, repeatable, and controlled
- CORE Linepipe® uses premium materials customized to meet service requirements
- Consultation on design, engineering support (applications engineering), and a range of material options to meet demand
- Made in Canada with a 25-year design life

CORE EFFICIENCY AND COST CERTAINTY

- Reduced installation time and cost
- Reduced pipe freight
- Single hydrotest
- HDPE liner is installed in the joints in our factory, eliminating the need for pulling liner in the field
- Reduced workspace requirements, no traditional bell holes
- Less vulnerable to weather delays
- Reduced manpower

☒
- **No welding**
- **No separate liner crew**
- **No bell holes**

✓
- **7-10 (min) / joint**
- **15 mins / flange**
- **Avg 40 mins / field cut**
- **800 - 1200 (m) / day**
- **2-4 man crew**

BY DESIGN WE ARE DRIVING TO COST CERTAINTY.

***CORE Liner®** ***CORE ClickWeld®**
***CORE Service®**

Mar 11, 2019

Head Office

910, 736 - 8th Avenue S.W.
Calgary, AB. T2P 1H4
Phone: (587) 333-6685

Production Plant

10 McCool Cresent
Crossfield, AB. T0M 0S0

CORElinepipe.com

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CORE LINEPIPE

CORE LINEPIPE

Corrosion Resistant
steel pipelines - no welding

Eliminates traditional field welding drastically reducing pipeline costs.

Expect up to:

30% Cost

Construction time is reduced as much as 50% compared to field liners, reducing pipeline costs.

HALF the time

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OIL WATER NATURAL GAS MINING

APPLICATION ENVELOPE

PARAMETER	SPECIFICATION
Pressure	Up to 900 ANSI/ 2138 psi/ 14,740 kPa
Temperature	60°C/140°F (Oil Emulsion) 80°C/176°F (Water Service)

Product Data is subject to change without notice. Patent Pending.

*Consult your CORE Linepipe® representative for more information.

PRODUCT SPECIFICATIONS

PRODUCT	SPECIFICATION
Steel pipe	ERW Z245.1 grade 359 cat II, 19m joints
Thermoplastic liner	Bi-Modal 4710 HDPE liner
Flow coefficient	Hazen & Williams 150 Darcy Weisbach = 0.000005 ft or 0.0015 mm Manning 0.009

Nominal steel outside diameter		Weight		Steel wall thickness		Liner inside diameter		Liner wall thickness		ClickWeld® coupling outside diameter	
mm	inches	kg/m	lbs/ft	mm	inches	mm	inches	mm	inches	mm	inches
168	6”	24	16.13	4.8	0.188	146	5.75	6.3	0.25	210	8.25
219	8”	38	25.53	5.6	0.220	191	7.52	8.3	0.33	273	10.75
273	10”	Coming in 2020									
324	12”	Coming in 2020									
Pipe Bends		Can be premanufactured or field bent Minimum 20D - Cold Bends Only (Shop or Field)									
Flanges		Premanufactured at Plant									

CORE LINER® Application Envelope

	WT	External Coating	Pressure Capacity	Temperature	Water	Oil	Gas	H_2S
6” CORE Liner®	4.8	YJ	14,740 kPa/ 2138 psi	60°C (140°F)	YES			
		YJ2K		80°C (176°F) Water/ 60°C (140°F) Oil				
8” CORE Liner®	5.6	YJ	9930 kPa/ 1440 psi	60°C (140°F)	YES			
		YJ2K		80°C (176°F) Water/ 60°C (140°F) Oil				

Corrosion Resistant Linepipe Solutions

CORE LINEPIPE