// LINER PRODUCT CARD

COTUBE™

ENGINEERED FOR CO_2 SERVICE // MODIFIED RESIN HDPE

COTube™ is Western Falcon's modified-resin HDPE+ liner designed for unique CO_2 flood applications. Engineered to resist collapse, corrosion, and gas permeation, this thermoplastic bonded liner protects tubing in demanding production and injection environments at temperatures up to 165°F (74°C).

MAX OPERATING TEMPERATURE	PRIMARY SERVICE	LINER MATERIAL · COLOR
165°F 74°C	CO_2 Production & Injection	MODIFIED-RESIN HDPE+ Yellow

01 KEY BENEFITS

- Mitigates CO_2 corrosion
- Helps decrease pressure drop in high-velocity flow
- Reduces well-servicing frequency and cost
- Reduces tubing and rod replacement
- Can reduce corrosion-inhibitor requirements
- Reduces friction and peak polished-rod load
- Eliminates rod guides
- Liner can be recycled
- No limit on wireline speeds

02 PRIMARY APPLICATIONS

CO_2 Injection Wells	High CO_2 Pumping Wells	WAG Wells	Water Injection	Acid Gas Disposal Wells
Disposal	Flowlines	Solution Mining	Gas Lift	

03 APPLICATION CONSIDERATIONS

No liner suits every well, and COTube™ is specified against the conditions it will actually see. Pressure, temperature, fluid chemistry and gas content interact, so a change in one can reduce the allowable limit of another, which is why every application is reviewed holistically before a liner is selected.
Refer to Plastic Liners and Coatings: Considerations Before Use for complete guidance.

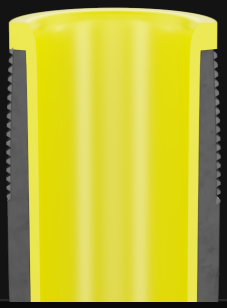
// TECHNICAL DATA

COTUBE™ SPECIFICATIONS

04 KEY PRODUCT FEATURES

- Seamless, mechanically bonded liner made from modified-resin HDPE+
- Maximum operating temperature of 165°F (74°C) in production and injection
- Collapse-resistant design provides increased resistance to gas permeation
- Coated couplings protect the J-area; no connection inserts or donuts required
- Make up to minimum API recommended torque
- No field service technician required; not degraded by stimulation

CROSS SECTION
COTUBE™ LINED ID



05 COMMON TUBING SIZES

IMPERIAL / METRIC

TUBING OD	NOMINAL WEIGHT	TOTAL LINED WEIGHT	LINED DRIFT
2 3/8" 60.33 mm	4.70 lb/ft 6.99 kg/m	Well Specific	Well Specific
2 7/8" 73.03 mm	6.50 lb/ft 9.67 kg/m	Well Specific	Well Specific
3 1/2" 88.90 mm	9.30 lb/ft 13.84 kg/m	Well Specific	Well Specific
OTHER SIZES	ON REQUEST	ON REQUEST	ON REQUEST

Nominal weights follow the Polycore™ reference card. COTube™ liner weights and lined drift diameters require confirmation. Lining capabilities: 1.9" to 7" casing.

06 ADDITIONAL WF LINERS

MAX OPERATING TEMP · ADVANTAGE

POLYCORE™

160°F 71°C
OIL PRODUCTION

180°F 82°C
AQUEOUS SERVICE

Corrosion and wear protection

MODIFIED POLYCORE™

160°F 71°C
OIL PRODUCTION

180°F 82°C
AQUEOUS SERVICE

Enhanced collapse strength

ENERTUBE™

210°F 99°C
OPERATING TEMPERATURE

Enhanced tensile strength

ULTRATUBE™

350°F 177°C
OPERATING TEMPERATURE

High side load

EXTREMETUBE™

500°F 260°C
OPERATING TEMPERATURE

Extreme corrosion service

// TALK TO A TECHNICAL PARTNER

IS COTUBE™ RIGHT FOR YOUR WELL?

Contact your Western Falcon representative to review your application and operating conditions.

CALL 1-877-933-7870
WEB wfes.com