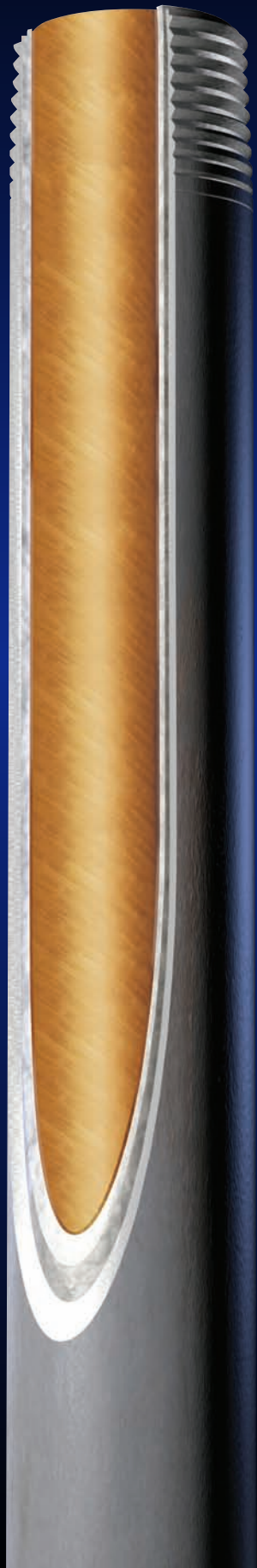


Duoline[®] lining systems extend the life of your tubulars



DUOLINE[®] 20

HOW DOES DUOLINE[®] 20 WORK?

DUOLINE[®] 20, manufactured by **DUOLINE[®] Technologies**, is a filament-wound Glass-Reinforced Epoxy (GRE) liner which is installed to OCTG in corrosive service. It is widely accepted that GRE lining is a more robust alternative to internal plastic coating. **DUOLINE[®] 20** is a very effective corrosion barrier with a long history of tubular protection in a variety of offshore and land-based applications.

Proven performance leader in corrosive (gas/fluid) injection and disposal for offshore and land-based applications.

Where Will You Benefit From Using DUOLINE[®] 20?

- 250°F working temp
- CO₂/Water injection/Disposal
- Chemical disposal
- Gas Production
- API or Premium Thread Compatibility

Why Use DUOLINE[®] 20?

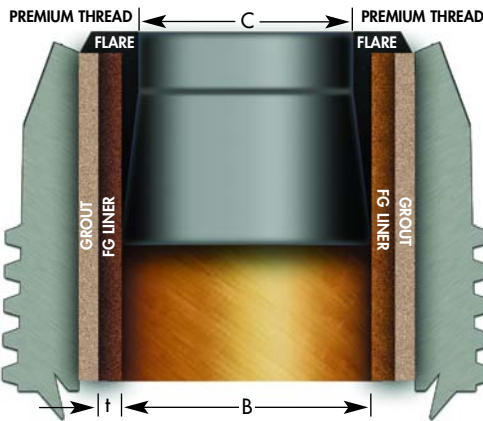
- 35 year proven field history
- Lower cost alternative to CRA
- Durable/Long lasting corrosion protection
- Most complete corrosion package on the market
- Most abrasive resistant lining system available



DUOLINE® 20

DUOLINE® DIMENSIONS AND WEIGHTS

For Premium Connections



DUOLINE® 20 in VAM® Connections

| Connection Type | Pipe Size (inches) | Pipe Wt. (lbs/ft) | B Fiberglass Liner ID (inches) | C Minimum DL-System Restricted ID (inches) | t D-20 Nominal Thickness (inches) | Nominal Lining Wt. (lb/ft) |
|-----------------|--------------------|-------------------|-----------------------------------|---|--------------------------------------|----------------------------|
| NEW VAM® | 4-1/2" | 12.60 | 3.691 | 3.594 | 0.060 | 1.50 |
| NEW VAM® | 5" | 18.00 | 4.010 | 3.893 | 0.065 | 1.65 |
| NEW VAM® | 7" | 26.00 | 5.900 | 5.779 | 0.096 | 2.50 |
| NEW VAM® | 7" | 29.00 | 5.800 | 5.678 | 0.094 | 2.50 |
| <hr/> | | | | | | |
| VAM® TOP | 4-1/2" | 12.60 | 3.600 | 3.506 | 0.058 | 1.50 |
| VAM® TOP | 5" | 18.00 | 4.010 | 3.893 | 0.065 | 1.65 |
| VAM® TOP | 5-1/2" | 17.00 | 4.520 | 4.394 | 0.073 | 1.80 |
| VAM® TOP | 5-1/2" | 20.00 | 4.520 | 4.394 | 0.073 | 1.80 |
| VAM® TOP | 6" | 18.60 | 5.036 | 4.915 | 0.082 | 2.00 |
| VAM® TOP | 7" | 23.00 | 5.900 | 5.778 | 0.096 | 2.50 |
| VAM® TOP | 7" | 26.00 | 5.900 | 5.778 | 0.096 | 2.50 |
| VAM® TOP | 7" | 29.00 | 5.800 | 5.678 | 0.094 | 2.50 |
| VAM® TOP | 7" | 32.00 | 5.800 | 5.678 | 0.094 | 2.50 |
| VAM® TOP | 9-5/8" | 47.00 | 8.260 | 8.078 | 0.134 | |
| VAM® TOP | 10-3/4" | 60.70 | 9.160 | 9.003 | 0.149 | |
| <hr/> | | | | | | |
| VAM® TOP HT/HC | 4-1/2" | 12.60 | 3.600 | 3.506 | 0.058 | 1.50 |
| VAM® TOP HT/HC | 5-1/2" | 17.00 | 4.520 | 4.394 | 0.073 | 1.80 |
| VAM® TOP HT/HC | 5-1/2" | 20.00 | 4.395 | 4.268 | 0.071 | 1.80 |
| VAM® TOP HT/HC | 7" | 29.00 | 5.800 | 5.685 | 0.094 | 2.50 |
| VAM® TOP HT/HC | 7-5/8" | 33.70 | 6.400 | 6.273 | 0.104 | 2.60 |

Please contact **Duoline® Technologies** Technical Support for Premium Connections, Drift diameters and Premium Connections not listed.



FOR COMPLETE DETAILS ABOUT OUR EXPANDED FACILITIES AND NEW CAPABILITIES LOGON TO www.duoline.com



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Your best choice for beating the high cost of corrosion

