

# AR-96+



| Key features                                                                 | AR-96+                                                                                                                    |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Polymeric color                                                              | Brown glossy                                                                                                              |
| Coating type                                                                 | Epoxy phenolic                                                                                                            |
| Main application                                                             | Production/Injection tubing, flowlines, line pipe                                                                         |
| Polymeric thickness                                                          | 140 - 350microns (5.6 - 14mils)                                                                                           |
| Protection against H2S, ppm (mol.)                                           | 10,000                                                                                                                    |
| Protection against sweet corrosion (CO2), ppm (mol.)                         | 20000                                                                                                                     |
| Protection against ARPD                                                      | high                                                                                                                      |
| Coupling's intermetallic protection                                          | V                                                                                                                         |
| Coating Roughness, microns                                                   | Not more than 2                                                                                                           |
| Acid/Alkiline treatments                                                     | Acid treatments: 10% HCl, t=50°C, max.duration 24 hours<br>Alkaline treatments: 10% NaOH, t=50°C, max. duration: 24 hours |
| Polymeric temperature, up to                                                 | 338°F (170°C)**                                                                                                           |
| Short-time polymeric temperature, not more than / Including steam treatments | 392°F (200°C)                                                                                                             |
| Intermetallic temperature, not less than                                     |                                                                                                                           |
| Polymeric layer adhesion, not less than                                      | 12MPa                                                                                                                     |
| **Temperature clarification                                                  | 302°F (130°C) - severe CO2 corrosion;<br>266°F (110°C) - severe H2S corrosion                                             |

**ALTERIVER**

**Flow. Naturally**

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## Types of Protection: **ARPD, CORROSION**

Alteriver's AR-96+ coating is epoxy-phenolic polymer based protective coating, designed to protect tubing in milder corrosive environments with excessive asphaltene-resin-paraffin deposits (ARPD).