



majorpack **ziPLY87** coating - multifactor protection system (duplex), designed and manufactured for the complex tubing's protection, threaded connection and its outer surface in the environments, complicated with asphaltene, resin and paraffin deposits (ARPD).

ziPLY87

Key features	ziPLY87
Polymeric color	White glossy
Coating type	Zn Intermetallic + Epoxy phenolic
Tubing intermetallic thickness – inner/outer surface	1.6 - 5 mils (40 - 125 microns)*
Polymeric thickness	5.6 - 14 mils (140 - 350 microns)*
Tubing thread intermetallic thickness	0.8 - 2.8 mils (20 - 70 microns)
Anticorrosion properties	High H ₂ S protection Protection from sweet corrosion (CO ₂) Protection from ARPD Anti-bacterial protection (SRB, APB) Thread protection Abrasive wear resistance
Exploitation properties	Acid service, pH > 2.5 Alkaline service, pH < 12
Polymeric temperature, no more than	266°F (130°C)
Short-time polymeric temperature, no more than	392°F (200°C)
Intermetallic temperature, not less than	419°F (215°C)
Polymeric layer adhesion, not less than	10 MPa
Intermetallic layer adhesion, not less than	30 MPa

There may be a negative effect on duplex coatings when active acid-containing or other solvent liquids are used to intensify the flow of oil-containing fluids.

* In accordance with the measurement procedure, established in the manufacturer's QA/QC plan. The measurement procedure can be obtained upon request

A representative of majorpack, Inc. should be consulted for all the technical issues, before deciding to use these fluids, to intensify oil flow, with duplex coatings.