

majorpack ziPLY99 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).

ziPLY99

Key features	ziPLY 99
Polymeric color	Light-brown semi-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	Protection against high H ₂ S Protection from mild sweet corrosion (CO ₂) Anti-bacterial protection (SRB, APB) Abrasive wear resistance Thread protection
Exploitation properties	Acid treatments: pH > 2.5 Alkaline treatments: pH < 12
Polymeric temperature, not more than	230°F (110°C)
Short-time polymeric temperature, not more than	392°F (200°C)
Intermetallic temperature, not more than	572°F (300°C)
Polymeric layer adhesion, not less than	12 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 Majorpack, Inc. representative should be consulted for all the technical issues before deciding to use these fluids to intensify oil flow with duplex coatings.