



majorpack MPAG17 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).

# MPAG17

Key features	MPAG17
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	Enhanced corrosion protection High H <sub>2</sub> S protection Protection from sweet corrosion (CO <sub>2</sub> ) Protection from ARPD Anti-bacterial protection (SRB, APB) Thread protection
Exploitation properties	Acid service, pH > 2.5 Alkaline service, pH < 12
Polymeric temperature, no more than	212°F (100°C)
Short-time polymeric temperature, no more than	500°F (260°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.

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.

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