



# RESPONSE Coatings™

## PRODUCT DESCRIPTION: PROTECTIVE COATING

Response P™ is a superior corrosive resistant coating for various internal and external pipe surfaces and parts machined from TAX-100E. The coating offers excellent inter-coat adhesion, and can include total coverage, or specific areas on parts can be masked in our coating process so that some portion of the base TervAlloy remains exposed - allowing the start of the dissolution process to be limited to a specific aspect of a part. The typical thickness is 0.005", but can be altered based on customer requirements.

Response P™ protects TAX-100E from brine corrosion as well as HCl, and opens up a new perspective in dissolvable downhole tool design.

## Results and Validation



**Figure 1:**  
Response P™ coating  
on TAX-100E



**Figure 2:**  
Response P™ after 22  
days of exposure to  
90°C in 3% KCl



**Figure 3:**  
Response P™ coating  
on TAX-100E



**Figure 4:**  
Response P™ after  
30 hours in RT 15% HCl