

WELLHEAD EQUIPMENT

IMPREGLON® Coatings

IMPREGLON® coatings have proven themselves in severe service wells across Western Canada, and are the established industry standard for corrosion and deposition prevention for oil and gas production equipment. Impreglon's customers include end users, completions companies, OEM's, and supply houses.

Recommended Services

IMPREGLON® coatings are used in a range of severe environments, including:

- Injection wells (H₂O, CO₂)
- H₂S service
- High water cut wells
- Brine service

Parts Coated

IMPREGLON® coatings have been used on a wide variety of wellhead equipment, including:

- Gate valves
- Tubing Hangars
- BOPs
- Crosses
- Flo-Tees
- Flanges - adapter, companion, blind
- BHTA's

Impreglon Advantage

Safety and environmental concerns are major issues for petroleum producers. IMPREGLON® coatings help maximize the life of API rated equipment, minimize downtime, and potentially avoid devastating blowouts by protecting wellhead equipment. IMPREGLON® coatings are effective for a number of reasons:

1. Full Coverage

- IMPREGLON® coatings thin profile (1.5 mils) allows for 100% of the wetted area on API equipment to be coated, including all internal surfaces, seal areas, seat pockets, grease ports, RTJ grooves and threads
- Coating is always applied to a point well past the seal area to prevent corrosion from occurring in vulnerable areas
- If masking is required, it can be done with a high level of precision

2. Superior Protection in High Pressure Environments

- IMPREGLON® coatings are built on a tightly woven fluoropolymer matrix that resists permeation under elevated pressures
- Coatings are cured at elevated temperatures to create "cross-linking" of this matrix, and minimize the potential for penetration
- Proven effective against amines, acids, chlorides, solvents, gases, oxidation, and bacteria



3. Quality Process = Superior Adhesion

- Coating's ability to adhere to the surface is as critical as its ability to resist chemical attack
- Impreglon's application process ensures the highest level of surface preparation possible, guaranteeing the best possible adhesion
- Will not chip, crack, peel, flake, or blister, unlike metal plating (when used in appropriate services)
- Highly resistant to undercreep when damaged

4. Economical

- Cost to coat is only a fraction of replacement cost
- Cost to coat is often less than 1% cost of replacing even the least expensive wellhead components
- Fraction of cost of CRA parts or cladding
- Thin-build coatings do not typically require part modification to accommodate the coating

5. Short Turnaround Times

- IMPREGLON® coatings are readily available
- Lead time for a complete wellhead is less than one week
- Larger orders can be completed in stages to accommodate project schedules
- Rush jobs can typically be completed in under 24 hours

6. Additional Advantages

- Used parts can be re-coated
- Sealing: IMPREGLON® coatings "cold flow" under extreme loads, on threaded connections, allows the coating to seal in a manner similar to Teflon® tape

Recommended Impreglon Coating

The proven effectiveness of IMPREGLON® 222M, 522M, and 410M have proven effective for mitigating corrosion on wellhead equipment. Contact us for a recommendation based on your particular service conditions.

