

PRO-800 Corrosion Inhibitor

PRO-800 is an oil soluble pyridine based batch corrosion inhibitor.

Product Use Information

Flowline Batching

ProChem's PRO-800 is a film forming corrosion inhibitor designed to provide initial and maintenance corrosion protection. Batch frequencies are determined by production volumes and flow regimes within the pipeline. Typical applications films of 3 mils [0.0762 mm] are sought for maintenance batchings and 6 mils [0.1524 mm] are used for initial pipeline commissioning batches.

PRO-800 Batch Volume Calculation

3 mil thickness

$0.28 \times \text{OD}(\text{mm}) \times \text{pipeline length}(\text{km}) = \text{volume in liters}$

6 mil thickness

$0.54 \times \text{OD}(\text{mm}) \times \text{pipeline length}(\text{km}) = \text{volume in liters}$

Common Pipeline Diameters

3"	88.9
4"	114.3
6"	168.3
8"	219.1
10"	273.1
12"	323.9

Physical Properties

Density,	0.90 – 0.95
Form,	Liquid
pH,	N/A
Appearance,	Brown
Solubility,	Fresh Water – Insoluble Oilfield Brine – Insoluble Methanol – Soluble Aromatic Solvent – Soluble

Material Compatibility Information

Metals: 316 Stainless steel

Plastic: HD polyethylene
HD polypropylene
Teflon

Elastomers: Polytetrafluoroethylene [Teflon]
Viton

Flowline Batching Procedure

Batch corrosion inhibitors are generally applied between a chemical pig train. The leading pig is generally a cleaning pig while the rear pig is a filming pig designed to even spread the corrosion inhibitor on the pipe wall. When the corrosion inhibitor is batched in between the two pigs it provides a clean surface for the inhibitor to adhere to the pipe wall.

Corrosion Monitoring Techniques

- Corrosion Coupons
- Iron / Manganese Analysis
- Copper Ion testing of corrosion coupons
- Corrosion inhibitor residuals