



General Use™ & Our Barrier Enhanced Tanks™

BARRIER ENHANCED TANKS™

The reality is HDPE, Crosslink HDPE, and stainless tanks are put to the test everyday in the oil field and industrial settings. There are chemistries that work well in plastic and not stainless, and vice versa.

That said, the “polytank” has become widely popular due to its low cost and ease of deployment. To an industry that often revolves around two men, a truck, and a trailer it is easy to see why this setup is preferred over stainless.

Our Barrier Enhanced Tanks™ offer a more chemically inert product, while at the same time continuing to provide the cost and deployment advantages of standard poly tanks.

Over 28 days @ 50°C
Untreated vs. Fluorination

Solvent	Loss of Weight in %	
	Untreated	Fluorinated
1,1,1-Trichloroethane	10.5	0.03
Xylene	36.0	0.11
Heavy Gasoline	36.0	0.11
Naphtha	21.1	0.10
Toluene	48.1	0.30
Mineral Spirits	9.1	0.10
Heptane	31.9	0.10
Carbon Tetrachloride	30.1	0.50
Turpentine	3.9	0.05

This chart highlights the differences between standard untreated tanks and our fluorinated Barrier Enhanced Tanks™

- Lab test for DOT/EPA
- Closed environment
- 16 oz bottle
- 28 days at 50° C / 122° F (simulated year in the life)
- Chemical tote wall thickness

OUR “GENERAL USE™” PHILOSOPHY

Tanks, Pumps and fittings are put to the test by chemicals every day in oilfield and industrial settings and when they fail it impacts your bottom line. Our “General Use™” Philosophy takes these realities into consideration. We at Sherman Roto Tank LLC. consider components to be general use if “generally” chemical inert components are used such as our proprietary Barrier Enhanced Tanks™, 316 Stainless Steel, PTFE, Teflon and perfluoropolymer.

We strongly believe that helping our customers achieve realistic expectations of equipment is responsible business. The unfortunate reality is that over time all components will eventually breakdown, and our engineers understand the sum of everything is ultimately zero. Therefore, we developed our “General Use™” Philosophy with the goal of prolonging the life of your equipment.