

Corrosion and Harsh Environment Protection

Overview

Harsh Chemicals	CHEMICAL RESISTANCE PERFORMANCE RATING				
	316 STAINLESS STEEL	304 STAINLESS STEEL	ALUMINUM	CAST IRON	PVC COATED
Acetic Acid (20%)	B	B	B	D	D
Chlorine, Anhydrous Liquid	C	D	D	D	D
Chlorine Water	C	C	D	D	A
Citric Acid	A	B	C	D	A
Diethylene Glycol	A	A	B	A	B
Fruit Juice	A	A	B	D	A
Hydrogen Peroxide (30%)	B	B	A	B	A
Phosphoric Acid (Crude)	B	D	D	D	A
Phosphoric Acid (>40%)	D	D	D	D	A
Sodium Carbonate	A	A	C	B	A
Sodium Chloride	B	B	C	D	A
Sodium Hydroxide (50%)	B	B	D	D	A
Sodium Metasilicate	A	A	B	A	A
Sodium Silicate	B	A	C	B	A
Sulfuric Acid (10-75%)	D	D	D	D	A

Chemical Resistance Performance Rating Key

A Excellent
 B Good
 C Fair
 D Not Recommended

The chart above will guide you in the selection of the best anti-corrosion products for your specific applications. There is a direct correlation between every corrosive environment and products installed to protect against the high cost of corrosion damage. Consequently, product performance and product life cycles are critical to successful protection. In that regard not all PVC-coated galvanized rigid conduit is created equal.

All such conduit is authorized to carry an identical UL listing label related to safety, but only some manufacturers, such as Plasti-Bond have earned the right to carry the ETL-Verified PVC-001 label based on independent product performance tests proving that ETL-Verified PVC-coated galvanized rigid conduit provides reliable protection against corrosion 10 or more times longer than brands that have not been ETL-Verified.