

**ASTM F925 Resistance to Chemicals -
Standard Test Method**

Acids	Surface Dulling		Surface Attack		Color Change	
	1 Hour	24 Hours	1 Hour	24 Hours	1 Hour	24 Hours
Acetic Acid- 28%	0	0	0	0	0	0
Citric Acid - 10%	0	0	0	0	0	0
Hydrochloric Acid- 10%	0	0	0	0	0	0
Hydrochloric Acid- 38%	0	0	0	0	0	1
Sulfuric Acid- 10%	0	0	0	0	0	0
Sulfuric Acid- 40%	0	0	0	0	0	0
Bases / Alkalis						
Ammonia 5%	0	0	0	0	0	0
Ammonium Hydroxide - 10%	0	0	0	0	0	0
Ammonium Hydroxide - 30%	0	0	0	0	0	0
Potassium Hydroxide- 15%	0	0	0	0	0	1
Sodium Carbonate - 10%	0	0	0	0	0	0
Sodium Hydroxide- 15%	0	0	0	0	0	0
Sodium Hydroxide- 50%	0	0	0	0	0	0
Alcohols						
Ethyl (Denatured) Alcohol - 30%	0	0	0	0	0	0
Ethyl (Denatured) Alcohol - 70%	0	0	0	0	0	0
Ethyl (Denatured) Alcohol - 90%	0	0	0	0	0	0
Hand Sanitizer (Alcohol Based)	0	0	0	0	0	0
Rubbing Alcohol (70% Isopropyl)	0	0	0	0	0	0
Aromatics						
Crude Oil	0	0	0	0	0	0
Fuel Oil #1	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0
Mineral Spirits (White Spirit)	0	0	0	0	0	0
Turpentine	0	0	0	0	0	0
Unleaded Gasoline (Regular Grade)	0	0	0	0	0	0
Phenol	0	0	0	0	0	0
Hospital Chemicals						
Aniline Blue- 2.5	0	0	0	0	0	0
Basic Fushsin	0	0	0	0	0	0
Betadine Skin Cleanser	0	0	0	0	0	0
Betadine Solution - 10%	0	0	0	0	0	0
Carbol Fushsin	0	0	0	0	0	0
Dialysis Solution	0	0	0	0	0	0
Eosin- 1%	0	0	0	0	0	0
Giemsa Blood Stain	0	0	0	0	0	0
Hema 3 Solution	0	0	0	0	0	0
Hematoxylin- 5%	0	0	0	0	0	0
Hydrogen Peroxide- 30%	0	0	0	0	0	0
Iodine Tincture	0	0	0	0	0	0
Iodine Gram Stain	0	0	0	0	0	0

Methylene Blue	0	0	0	0	0	0
Potassium Permanganate- 1.5%	0	0	0	0	0	0
Provine-Iodine	0	0	0	0	0	0
Rhondamine B. Base	0	0	0	0	0	0
Silver Nitrate - 5%	0	0	0	0	0	0
Tincture of Benzoin	0	0	0	0	0	0
Urea Solution	0	0	0	0	0	0
Wright's Blood Stain	0	0	0	0	0	0

Disinfectants / Cleaners

Bleach 5%	0	0	0	0	0	0
Formaldehyde- 37%	0	0	0	0	0	0
Phenolic Disinfectant Cleaner	0	0	0	0	0	1
Quaternary Ammonium Disinfectant Cleaner	0	0	0	0	0	0

Ratings Key

- 0- No Change
- 1- Slight Change
- 2- Moderate Change
- 3- Severe Change