

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

<u>Acids</u>	<u>Surface Dulling</u>		<u>Surface Attack</u>		<u>Color Change</u>	
	<u>1 Hour</u>	<u>24 Hours</u>	<u>1 Hour</u>	<u>24 Hours</u>	<u>1 Hour</u>	<u>24 Hours</u>
Acetic Acid- 5%	0	0	0	0	0	0
Acetic Acid- 28%	0	0	0	0	0	0
Citric Acid - 10%	0	0	0	0	0	0
Hydrochloric Acid- 5%	0	0	0	0	0	0
Hydrochloric Acid- 10%	0	0	0	0	0	0
Sodium Hydroxide- 10%	0	0	0	0	0	0
Sodium Hydroxide- 5%	0	0	0	0	0	0
Sulfuric Acid- 10%	0	0	0	0	0	0
 <b><u>Bases / Alkalis</u></b>						
Ammonia 5%	0	0	0	0	0	0
Ammonium Hydroxide - 30%	0	0	0	0	0	0
Potassium Hydroxide- 15%	0	0	0	0	0	0
Sodium Carbonate - 10%	0	0	0	0	0	0
 <b><u>Alcohols</u></b>						
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
 <b><u>Aromatics</u></b>						
Crude Oil	0	0	0	0	0	0
Fuel Oil #1	0	0	0	0	0	0
Kerosene	0	0	0	0	0	0
Phenol 5%	1	1	0	0	0	0
Mineral Oil	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
Xylene	0	0	0	0	0	0
 <b><u>Hospital Chemicals</u></b>						
Aniline Blue- 2.5	0	0	0	0	0	0
Brilliant Green	0	0	0	0	1	1
ChloraPrep (BD)	0	0	0	0	0	0
Dura-Prep (3M)	0	0	0	0	0	0
Betadine Skin Cleanser	0	0	0	0	3	3
Betadine Solution - 10%	0	0	0	0	3	3
Blood	0	0	0	0	0	0
Formaldehyde- 37%	0	0	0	0	0	0
Hematoxylin	0	0	0	0	0	0

<b><u>Hospital Chemicals (cont'd)</u></b>	<b>Surface Dulling</b>		<b>Surface Attack</b>		<b>Color Change</b>	
	<b><u>1 Hour</u></b>	<b><u>24 Hours</u></b>	<b><u>1 Hour</u></b>	<b><u>24 Hours</u></b>	<b><u>1 Hour</u></b>	<b><u>24 Hours</u></b>
Iodine	0	0	0	0	3	3
Iodine Tincture	0	0	0	0	3	3
Iodine Gram Stain	0	0	0	0	3	3
Methylene Blue	0	0	0	0	2	2
Mineral Oil (Medicinal Grade)	0	0	0	0	0	0
Potassium Permanganate- 1.5%	0	0	0	0	3	3
Silver Nitrate - 5%	0	0	0	0	0	0
Tincture of Benzoin	0	0	0	0	1	1
Urea Solution	0	0	0	0	0	0
Wright's Blood Stain	0	0	0	0	2	2
<b><u>Cleaners / Disinfectants</u></b>						
A456 II Germicide	0	0	0	0	0	0
Acetone	0	0	0	0	0	0
Bleach 5%	0	0	0	0	0	0
Bleach 10%	0	0	0	0	0	0
Ecoshine Stainless Steel Polish	0	0	0	0	0	0
Lemon Eze Cream Cleanser	0	0	0	0	0	0
Lime A Way	0	0	0	0	0	0
QC 52 Glass Cleaner	0	0	0	0	0	0
QC 53 General Purpose Cleaner	0	0	0	0	0	0
QC 31 Neutral Cleaner	0	0	0	0	0	0
Quaternary Disinfectant Cleaner	0	0	0	0	0	0
Phenolic Disinfectant Cleaner	0	0	0	0	0	0
<b><u>Other Staining Agents</u></b>						
Ball Point Pen	0	0	0	0	3	3
Bicarbonate	0	0	0	0	0	0
Cherry Soda	0	0	0	0	0	0
Hair Dye	0	0	0	0	3	3
Olive Oil	0	0	0	0	0	0
Permanent Marker	0	0	0	0	3	3
Red Kool Aid	0	0	0	0	0	0
Red Wine	0	0	0	0	0	0
Shoe Polish Paste Brown	0	0	0	0	2	2
Tar	0	0	0	0	0	0
Yellow Mustard	0	0	0	0	1	1

**RATINGS KEY**

0- No Change

1- Slight Change

2- Moderate Change

3- Severe Change