

**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- 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 |
| Sulfuric Acid- 10% | 0 | 0 | 0 | 0 | 0 | 0 |
| <u>Bases / Alkalis</u> | | | | | | |
| Ammonia 5% | 0 | 0 | 0 | 0 | 0 | 0 |
| Ammonium Hydroxide - 30% | 0 | 0 | 0 | 0 | 0 | 0 |
| Sodium Carbonate - 10% | 0 | 0 | 0 | 0 | 0 | 0 |
| Sodium Hydroxide- 10% | 0 | 0 | 0 | 0 | 0 | 0 |
| <u>Alcohols</u> | | | | | | |
| 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 |
| <u>Aromatics</u> | | | | | | |
| 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 | 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 |
| <u>Hospital Chemicals</u> | | | | | | |
| Aniline Blue- 2.5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Betadine Skin Cleanser | 0 | 0 | 0 | 0 | 0 | 0 |
| Betadine Solution - 10% | 0 | 0 | 0 | 0 | 0 | 0 |
| Blood | 0 | 0 | 0 | 0 | 0 | 0 |
| Formaldehyde- 37% | 0 | 0 | 0 | 0 | 0 | 0 |
| Hematoxylin | 0 | 0 | 0 | 0 | 0 | 0 |
| Iodine | 0 | 0 | 0 | 0 | 1 | 1 |
| Iodine Tincture | 0 | 0 | 0 | 0 | 1 | 1 |
| Iodine Gram Stain | 0 | 0 | 0 | 0 | 1 | 1 |
| Methylene Blue | 0 | 0 | 0 | 0 | 1 | 1 |
| Mineral Oil (Medicinal Grade) | 0 | 0 | 0 | 0 | 0 | 0 |
| Potassium Permanganate- 1.5% | 0 | 0 | 0 | 0 | 1 | 1 |
| 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 | 2 | 2 |

Cleaners / Disinfectants

| | | | | | | |
|---------------------------------|---|---|---|---|---|---|
| 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 |

Other Staining Agents

| | | | | | | |
|-------------------------|---|---|---|---|---|---|
| Ball Point Pen | 0 | 0 | 0 | 0 | 0 | 0 |
| Bicarbonate | 0 | 0 | 0 | 0 | 0 | 0 |
| Cherry Soda | 0 | 0 | 0 | 0 | 0 | 0 |
| Hair Dye | 0 | 0 | 0 | 0 | 0 | 0 |
| Olive Oil | 0 | 0 | 0 | 0 | 0 | 0 |
| Permanent Marker | 0 | 0 | 0 | 0 | 1 | 1 |
| 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 | 0 | 0 |
| Tar | 0 | 0 | 0 | 0 | 0 | 0 |
| Yellow Mustard | 0 | 0 | 0 | 0 | 0 | 0 |

Ratings Key

0- No Change

1- Slight Change

2- Moderate Change

3- Severe Change