

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

|   | Surface Dulling |          | Surface Attack |          | Color Change |          |
|---|-----------------|----------|----------------|----------|--------------|----------|
|   | 5 Minutes       | 24 Hours | 5 Minutes      | 24 Hours | 5 Minutes    | 24 Hours |
| <b>Acids</b>                                  |                 |          |                |          |              |          |
| 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        |
| Sodium Hydroxide- 10%                         | 0               | 0        | 0              | 0        | 0            | 0        |
| Sulfuric Acid- 10%                            | 0               | 0        | 0              | 0        | 0            | 0        |
| <b>Bases / Alkalis</b>                        |                 |          |                |          |              |          |
| Ammonium Hydroxide - 10%                      | 0               | 0        | 0              | 0        | 0            | 0        |
| Ammonium Hydroxide - 30%                      | 0               | 0        | 0              | 0        | 0            | 0        |
| Sodium Carbonate - 10%                        | 0               | 0        | 0              | 0        | 0            | 0        |
| <b>Alcohols</b>                               |                 |          |                |          |              |          |
| Ethyl (Denatured) Alcohol - 90%               | 0               | 0        | 0              | 0        | 0            | 0        |
| Hand Sanitizer (Alcohol Based)                | 0               | 0        | 0              | 0        | 0            | 0        |
| <b>Aromatics</b>                              |                 |          |                |          |              |          |
| Crude Oil                                     | 0               | 0        | 0              | 0        | 0            | 0        |
| Fuel Oil #1                                   | 0               | 0        | 0              | 0        | 0            | 0        |
| Phenol  | 0               | 0        | 0              | 0        | 1            | 1        |
| Mineral Spirits (White Spirit)                | 0               | 0        | 0              | 0        | 0            | 0        |
| Turpentine                                    | 0               | 0        | 0              | 0        | 0            | 0        |
| <b>Hospital Chemicals</b>                     |                 |          |                |          |              |          |
| 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        |
| Disclosing Solution (to show plaque on teeth) | 0               | 0        | 0              | 0        | 0            | 0        |
| Formaldehyde- 37%                             | 0               | 0        | 0              | 0        | 0            | 0        |
| Hematoxylin                                   | 0               | 0        | 0              | 0        | 0            | 0        |
| Iodine Tincture                               | 0               | 0        | 0              | 0        | 1            | 1        |
| Iodine Gram Stain                             | 0               | 0        | 0              | 0        | 2            | 2        |
| Methylene Blue                                | 0               | 0        | 0              | 0        | 0            | 0        |
| Mineral Oil (medicinal grade)                 | 0               | 0        | 0              | 0        | 0            | 0        |
| Potassium Permanganate- 1.5%                  | 0               | 0        | 0              | 0        | 0            | 0        |
| Silver Nitrate - 5%                           | 0               | 0        | 0              | 0        | 1            | 1        |
| 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        | 1            | 1        |

|  | Surface Dulling |          | Surface Attack |          | Color Change |          |
|--|-----------------|----------|----------------|----------|--------------|----------|
|  | 5 Minutes       | 24 Hours | 5 Minutes      | 24 Hours | 5 Minutes    | 24 Hours |

**Cleaners / Disinfectants**

|                                 |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|
| A456 II Germicide               | 0 | 0 | 0 | 0 | 0 | 0 |
| Acetone - High Solvency         | 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 Exe 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 |
| Phenol Disinfectant Cleaner 5%  | 0 | 0 | 0 | 0 | 0 | 0 |

**Other Staining Agents**

|                         |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|
| Ball Point Pen          | 0 | 0 | 0 | 0 | 2 | 2 |
| Bicarbonate             | 0 | 0 | 0 | 0 | 0 | 0 |
| Cola Soda               | 0 | 0 | 0 | 0 | 0 | 0 |
| Hair Dye                | 0 | 0 | 0 | 0 | 1 | 1 |
| Hot Coffee              | 0 | 0 | 0 | 0 | 0 | 0 |
| Printer Toner           | 0 | 0 | 0 | 0 | 0 | 0 |
| Permanent Marker        | 0 | 0 | 0 | 0 | 2 | 2 |
| 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 | 1 | 1 |
| 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