

ASTM F3261 AGENT-LIST

| STAINING AGENT | 5 MINUTES | | | 24 HOURS | | |
|---------------------------------|-----------------|----------------|--------------|-----------------|----------------|--------------|
| | SURFACE DULLING | SURFACE ATTACK | COLOR CHANGE | SURFACE DULLING | SURFACE ATTACK | COLOR CHANGE |
| 5% Acetic Acid (White Vinegar) | 0 | 0 | 0 | 0 | 0 | 0 |
| 5% Ammonia | 0 | 0 | 0 | 0 | 0 | 0 |
| 5% Hydrochloric Acid | 0 | 0 | 0 | 0 | 0 | 0 |
| 5% Phenol | 0 | 0 | 0 | 0 | 0 | 0 |
| 5% Sodium Hydroxide | 0 | 0 | 0 | 0 | 0 | 0 |
| 70% Isopropyl (Rubbing) Alcohol | 0 | 0 | 0 | 0 | 0 | 0 |
| Bleach | 0 | 0 | 0 | 0 | 0 | 0 |
| Gasoline | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene | 0 | 0 | 0 | 0 | 0 | 0 |
| Mineral Oil | 0 | 0 | 0 | 0 | 0 | 0 |
| Olive Oil | 0 | 0 | 0 | 0 | 0 | 0 |
| Sulfuric Acid | 0 | 0 | 0 | 0 | 0 | 0 |

EXTENDED AGENT-LIST

| STAINING AGENT | 5 MINUTES | | | 24 HOURS | | |
|------------------------------------|-----------------|----------------|--------------|-----------------|----------------|--------------|
| | SURFACE DULLING | SURFACE ATTACK | COLOR CHANGE | SURFACE DULLING | SURFACE ATTACK | COLOR CHANGE |
| A456 II Germicide | 0 | 0 | 0 | 0 | 0 | 0 |
| Acetone | 0 | 0 | 0 | 0 | 0 | 0 |
| Aniline Blue | 0 | 0 | 0 | 0 | 0 | 0 |
| Ball Point Pen | 0 | 0 | 0 | 0 | 0 | 0 |
| Betadine | 0 | 0 | 0 | 0 | 0 | 0 |
| Bicarbonate | 0 | 0 | 0 | 0 | 0 | 0 |
| Bleach 10% | 0 | 0 | 0 | 0 | 0 | 0 |
| Blood | 0 | 0 | 0 | 0 | 0 | 0 |
| Cherry Soda | 0 | 0 | 0 | 0 | 0 | 0 |
| Disinfectants: Phenolic/Quaternary | 0 | 0 | 0 | 0 | 0 | 0 |
| Ecoshine Stainless Steel Polish | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethyl Alcohol | 0 | 0 | 0 | 0 | 0 | 0 |
| Hematoxylin | 0 | 0 | 0 | 0 | 0 | 0 |
| Iodine | 0 | 0 | 0 | 0 | 0 | 0 |
| Lemon Eze | 0 | 0 | 0 | 0 | 0 | 0 |
| Lime A Way | 0 | 0 | 0 | 0 | 0 | 0 |
| Methylene Blue | 0 | 0 | 0-1 | 0 | 0 | 0-1 |
| Mineral Spirits | 0 | 0 | 0 | 0 | 0 | 0 |
| Permanent Marker | 0 | 0 | 0 | 0 | 0 | 0 |
| Potassium Permanganate | 0 | 0 | 1 | 0 | 0 | 1 |
| Purell® | 0 | 0 | 0 | 0 | 0 | 0 |
| QC 31 Neutral Cleaner | 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 |
| Red Kool Aid | 0 | 0 | 0-1 | 0 | 0 | 0-1 |
| 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 |

Notes

Tests were conducted per ASTM F925 and values recorded after durations of 5 Minutes and 24 Hours. Testing and reporting were conducted by an independent laboratory (no affiliation with Metroflor Corporation).

Key

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