

CHEMICAL RESISTANCE TESTING – 8.1

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| NORTHERN COATINGS AQUA NORTHANE SEFA 49 Chemicals | Sample Description: Board was prepared by K.Y. 2 coats with sanding between. Allowed to age 30 days prior to testing | Type of Material Coated: Maple | Coating Type: Northern Coatings Aqua Northane 0701-CL-0067 /R440 |
| Rating Scale: Level 0 – No Detectable Change Level 1 – Slight Change in Color or Gloss Level 2 – Slight Surface Etching or Severe Staining Level 3 – Pitting, Cratering, Swelling, Erosion of Coating. Obvious & Significant Deterioration. SEFA 8/1998: No more than four Level 3 Conditions. | | | |

| # | CHEMICAL | RATING | COMMENTS |
|----|------------------------|--------|----------|
| 1 | Amyl Acetate | 0 | |
| 2 | Ethyl Acetate | 0 | |
| 3 | Acetic Acid 98% | 1 | |
| 4 | Acetone | 0 | |
| 5 | Acid Dichromate 5% | 0 | |
| 6 | Butyl Alcohol | 0 | |
| 7 | Ethyl Alcohol | 0 | |
| 8 | Methyl Alcohol | 0 | |
| 9 | Ammonium Hydroxide 28% | 0 | |
| 10 | Benzene | 0 | |
| 11 | Carbon Tetrachloride | 0 | |
| 12 | Chloroform | 1 | |
| 13 | Chromic Acid 60% | 0 | |
| 14 | Cresol | 0 | |
| 15 | Dichlor Acetic Acid | 3 | |
| 16 | Dimethyl Formamide | 2 | |
| 17 | Dioxane | 0 | |
| 18 | Ethyl Ether | 0 | |
| 19 | Formaldehyde 37% | 0 | |
| 20 | Formic Acid 90% | 0 | |
| 21 | Furfural | 2 | |
| 22 | Gasoline | 0 | |
| 23 | Hydrochloric Acid 37% | 0 | |
| 24 | Hydrofluoric Acid 48% | 0 | |
| 25 | Hydrogen Peroxide 30% | 0 | |
| 26 | Tincture of Iodine | 2 | |

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| # | CHEMICAL | RATING | COMMENTS |
|----|---|--------|----------|
| 27 | Methyl Ethyl Ketone | 2 | |
| 28 | Methylene Chloride | 1 | |
| 29 | Mono Chlorobenzene | 0 | |
| 30 | Naphtha, VM & P | 0 | |
| 31 | Nitric Acid 20% | 0 | |
| 32 | Nitric Acid 30% | 2 | |
| 33 | Nitric Acid 70% | 2 | |
| 34 | Phenol 90% | 0 | |
| 35 | Phosphoric Acid 85% | 0 | |
| 36 | Silver Nitrate, Saturated | 0 | |
| 37 | Sodium Hydroxide 10% | 0 | |
| 38 | Sodium Hydroxide 20% | 0 | |
| 39 | Sodium Hydroxide 40% | 0 | |
| 40 | Sodium Hydroxide Flake | 0 | |
| 41 | Sodium Sulfide, Saturated | 0 | |
| 42 | Sulfuric Acid 33% | 0 | |
| 43 | Sulfuric Acid 77% | 0 | |
| 44 | Sulfuric Acid 96% | 3 | |
| 45 | Sulfuric Acid 77% and Nitric Acid 70%, equal parts | 2 | |
| 46 | Toluene | 1 | |
| 47 | Trichloroethylene | 1 | |
| 48 | Xylene | 1 | |
| 49 | Zinc Chloride, Saturated | 0 | |
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