

## CHEMICAL RESISTANCE CHART FOR RESICHEM PRODUCTS

| CHEMICAL                  | 501<br>CRSG | 506<br>ALUPRI | 507<br>DWPU | 508<br>UVPU | 511<br>UCEN | 512<br>UCEN 90 | 554 RB<br>MEMBR | 555<br>RESINOX |
|---------------------------|-------------|---------------|-------------|-------------|-------------|----------------|-----------------|----------------|
| Acetic Acid <10%          | 2           | 3             | 2           | 2           | 1           | 1              | 4               | 4              |
| Acetic Acid <20%          | 3           | 4             | 3           | 3           | 2           | 2              | 4               | 4              |
| Acetic Acid >20%          | 4           | 4             | 4           | 4           | 2           | 2              | 4               | 4              |
| Acetone                   | 3           | 3             | 4           | 4           | 3           | 3              | 4               | 4              |
| Alums                     | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Aluminium Chloride (Dry)  | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Aluminium Sulphate        | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Ammonium Carbonate        | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Ammonium Hydroxide 0-10%  | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Ammonium Hydroxide 10-20% | 2           | 2             | 2           | 2           | 1           | 1              | 2               | 2              |
| Ammonium Hydroxide +20%   | 3           | 3             | 2           | 2           | 2           | 2              | 2               | 4              |
| Ammonium Phosphate        | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Ammonium Nitrate          | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Amyl Acetate              | 2           | 2             | 2           | 2           | 2           | 2              | 4               | 4              |
| Amyl Alcohol              | 2           | 2             | 2           | 2           | 2           | 2              | 4               | 4              |
| Apple Juice               | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Aviation Fuel             | 1           | 2             | 2           | 2           | 1           | 1              | 1               | 3              |
| Barium Carbonate          | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Barium Chloride           | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Barium Hydroxide          | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Barium Sulphate           | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Barium Sulphide           | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Beet                      | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Beet Sugar Liquor         | 2           | 3             | 2           | 2           | 1           | 1              | 3               | 3              |
| Benzene                   | 3           | 3             | 3           | 2           | 2           | 2              | 4               | 4              |
| Benzoic Acid              | 3           | 3             | 3           | 2           | 1           | 1              | 4               | 4              |
| Bleach                    | 2           | 3             | 2           | 2           | 1           | 1              | 4               | 4              |
| Brake Fluid               | 1           | 2             | 2           | 2           | 1           | 1              | 3               | 3              |
| Brine                     | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Bunker Oil                | 1           | 1             | 1           | 1           | 1           | 1              | 3               | 3              |
| Butyl Acetate             | 2           | 2             | 3           | 2           | 2           | 2              | 4               | 4              |
| Butyl Alcohol             | 2           | 3             | 2           | 2           | 2           | 2              | 4               | 4              |
| Calcium Carbonate         | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Calcium Chloride          | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Calcium Hydroxide         | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Calcium Hypochlorite      | 2           | 3             | 2           | 2           | 1           | 1              | 3               | 3              |

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|--------------------------|-------------|---------------|-------------|-------------|-------------|----------------|-----------------|----------------|
| Calcium Sulphate         | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Carbon Dioxide (Dry)     | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Carbon Monoxide          | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Carbon Tetrachloride     | 3           | 3             | 3           | 3           | 3           | 3              | 4               | 4              |
| Carbonic Acid            | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Caster Oil               | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Chlorine Dry             | 3           | 3             | 3           | 3           | 3           | 3              | 4               | 4              |
| Chlorine Wet             | 4           | 4             | 4           | 4           | 4           | 4              | 4               | 4              |
| Chlorobenzene            | 3           | 3             | 3           | 3           | 3           | 3              | 4               | 4              |
| Chloroform               | 3           | 3             | 3           | 3           | 3           | 3              | 4               | 4              |
| Coconut Oil              | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Cod Liver Oil            | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Copper Chloride          | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Copper Nitrate           | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Copper Sulphate          | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Creosote                 | 4           | 4             | 2           | 3           | 2           | 2              | 4               | 4              |
| Cresylic Acid            | 4           | 4             | 3           | 3           | 2           | 2              | 4               | 4              |
| Crude Oil Sweet          | 1           | 1             | 1           | 1           | 1           | 1              | 3               | 3              |
| Crude Oil Sour           | 1           | 1             | 1           | 2           | 1           | 1              | 3               | 3              |
| Cyclohexane              | 1           | 2             | 2           | 2           | 1           | 1              | 4               | 4              |
| Cyclohexanol             | 2           | 2             | 2           | 2           | 2           | 2              | 4               | 4              |
| Di-Acetone Alcohol       | 2           | 2             | 2           | 2           | 2           | 2              | 4               | 4              |
| Di-Butyl Ether           | 3           | 3             | 3           | 3           | 3           | 3              | 4               | 4              |
| Di-Ethyl Amine           | 2           | 3             | 3           | 3           | 2           | 2              | 4               | 4              |
| Diesel Oil               | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Ethyl Acetate            | 3           | 3             | 3           | 3           | 2           | 2              | 4               | 4              |
| Ethyl Acrylate           | 2           | 2             | 2           | 2           | 2           | 2              | 3               | 3              |
| Ethyl Alcohol            | 3           | 2             | 2           | 2           | 2           | 2              | 4               | 4              |
| Ethylene Glycol          | 1           | 1             | 1           | 1           | 1           | 1              | 3               | 3              |
| Ferric Chloride          | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Ferric Sulphate          | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Formic Acid              | 3           | 3             | 3           | 3           | 2           | 2              | 4               | 4              |
| Gasoline                 | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Glycerol                 | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Heptane                  | 1           | 1             | 1           | 1           | 1           | 1              | 3               | 3              |
| Hexane                   | 1           | 1             | 1           | 1           | 1           | 1              | 3               | 3              |
| Hexanol                  | 1           | 1             | 1           | 1           | 1           | 1              | 3               | 3              |
| Hydrobromic Acid dilute  | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Hydrochloric Acid 0-10%  | 1           | 1             | 1           | 1           | 1           | 1              | 3               | 3              |
| Hydrochloric Acid 10-20% | 1           | 2             | 1           | 1           | 1           | 1              | 3               | 3              |



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|---------------------------------------|-------------|---------------|-------------|-------------|-------------|----------------|-----------------|----------------|
| Palm Oil                              | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Petrol                                | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Petroleum Oil                         | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Phenol (100%)                         | 4           | 4             | 4           | 4           | 2           | 2              | 4               | 4              |
| Phenol (10%)                          | 3           | 3             | 3           | 4           | 2           | 2              | 4               | 4              |
| Phosphoric Acid dilute                | 1           | 2             | 1           | 1           | 1           | 1              | 2               | 2              |
| Phosphoric Acid <75%                  | 3           | 3             | 3           | 3           | 1           | 1              | 3               | 3              |
| Potassium Bromide                     | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Potassium Carbonate                   | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Potassium Chlorate                    | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Potassium Chloride                    | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Potassium Diphosphate                 | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Potassium Hydroxide                   | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Potassium Iodide                      | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Potassium Nitrate                     | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Potassium Sulphate                    | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Potassium Sulphide                    | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Propane                               | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Propanol (normal)                     | 2           | 2             | 2           | 2           | 2           | 2              | 4               | 4              |
| Propanol (iso)                        | 2           | 2             | 2           | 2           | 2           | 2              | 4               | 4              |
| Propylene Glycol                      | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Propylene Glycol Methyl Ether         | 2           | 2             | 2           | 2           | 2           | 2              | 3               | 3              |
| Propylene Glycol Methyl Ether Acetate | 2           | 2             | 2           | 2           | 2           | 2              | 3               | 3              |
| Sewage                                | 1           | 1             | 1           | 2           | 1           | 1              | 2               | 2              |
| Sodium Bicarbonate                    | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Sodium Bisulphate                     | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Sodium Borate                         | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Sodium Bromide                        | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Sodium Carbonate                      | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Sodium Chlorate                       | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Sodium Chloride                       | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Sodium Chromate                       | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Sodium Hydroxide                      | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Sodium Hypochlorite (12% Chlorine)    | 3           | 3             | 2           | 2           | 3           | 3              | 3               | 3              |
| Sodium Nitrate                        | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Sodium Silicate                       | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Sodium Sulphate                       | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Starch                                | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Styrene                               | 3           | 3             | 3           | 2           | 2           | 2              | 3               | 3              |
| Sulphuric Acid 0-10%                  | 1           | 2             | 2           | 1           | 1           | 1              | 2               | 2              |

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|-----------------------|-------------|---------------|-------------|-------------|-------------|----------------|-----------------|----------------|
| Sulphuric Acid 10-20% | 1           | 2             | 2           | 1           | 1           | 1              | 2               | 2              |
| Sulphuric Acid +20%   | 3           | 4             | 4           | 4           | 1           | 1              | 4               | 4              |
| Sulphur Dioxide       | 1           | 2             | 1           | 2           | 1           | 1              | 2               | 2              |
| Tar                   | 2           | 2             | 2           | 2           | 2           | 2              | 3               | 3              |
| Tetrachlorethylene    | 3           | 3             | 3           | 3           | 3           | 3              | 4               | 4              |
| Toluene               | 2           | 3             | 2           | 3           | 1           | 1              | 3               | 3              |
| Transformer Oil       | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Tri Butyl Phosphate   | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Trichloroethylene     | 3           | 3             | 3           | 3           | 3           | 3              | 4               | 4              |
| Urea                  | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Vinegar               | 1           | 1             | 1           | 1           | 1           | 1              | 2               | 2              |
| Water                 | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Waxes                 | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Whiskey               | 2           | 2             | 2           | 2           | 2           | 2              | 3               | 3              |
| White Spirit          | 1           | 2             | 1           | 1           | 1           | 1              | 2               | 2              |
| Xylene                | 2           | 2             | 2           | 2           | 1           | 1              | 3               | 3              |
| Zinc Chloride         | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Zinc Hydrosulphite    | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |
| Zinc Sulphate         | 1           | 1             | 1           | 1           | 1           | 1              | 1               | 1              |

**Symbols**

1. Suitable for continuous immersion at 20°C
2. Suitable for short term immersion ( 3 days maximum) at 20°C
3. Suitable for short term contact, ie. quickly removed splashes or spills
4. Not suitable for contact

PC – optimal post cure required

The above information is provided for guidance only. Factors such as temperature, pressure and fluid dynamics can affect ultimate performance. Please refer to Resimac Technical Service Centre for advice regarding specific situations.