Resistance To Chemicals - Polyflor XLPU

Date : July 2002

Resistance to chemicals is tested over a 24 hour contact period at room temperature, followed by rinsing with cold water. Polyflor Ltd believe this simulates the worst situation where spillages are not removed immediately and are only cleaned by normal maintenance.

Key: U=unstained, 1=slight stain, 2=slight/moderate stain, 3=moderate stain, 4=moderate/severe stain, 5=severe stain, E = Surface disturbed.

	XLPU Shade											
Chemical	3700	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	3810
1 Acetic Acid Glacial	1	1	2	1	1	2	3	1	1	1	2	1
2 Acetic Acid 50% Solution	U	U	1	1	U	1	1	U	U	U	1	1
3 Acetic Acid 10% Solution	U	U	U	U	U	U	U	U	U	U	1	U
4 Boric Acid 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
5 Citric Acid 10% Solution	U	U	U	U	U	U	U	U	U	U	1	U
6 Hydrochloric Acid Concentrated	U	U	1	1	U	1	2	U	U	U	U	U
7 Hydrochloric Acid 50% Solution	U	U	U	U	U	1	U	1	U	U	U	U
8 Hydrochloric Acid 10% Solution	U	U	1	U	U	1	1	1	U	U	U	U
9 Lactic Acid Concentrated	U	1	2	1	1	2	3	3	2	1	2	2
10 Nitric Acid Concentrated	1	1	1	1	3	2	3	3	2	2	3	2
11 Nitric Acid 50% Solution	U	U	1	1	2	1	1	1	1	1	1	1
12 Nitric Acid 10% Solution	U	U	1	1	U	1	1	1	U	1	U	U
13 Oxalic Acid 10% Solution	U	U	1	U	U	U	1	U	U	U	U	U
14 Perchloric Acid 60% Solution	U	1	1	1	1	2	3	1	1	1	1	1
15 Phosphoric Acid Concentrated	1E	1E	1	1	1E	2E	3E	4E	2E	1E	2E	1
16 Phosphoric Acid 50% Solution	1	1E	1	1	1E	2E	3E	3	1E	1	2E	2E
17 Pyrogallic Acid	3	3	5	3	5	5	3	3	3	3	3	5
18 Sulphuric Acid Concentrated	1	1	1	1	3	3	5	4	3	1	1E	2
19 Sulphuric Acid 50% Solution	U	1	1E	1	UE	2E	3E	1E	1E	1E	1E	2E
20 Sulphuric Acid 10% Solution	U	U	1	1	U	2E	3E	1E	1E	U	U	2
21 Tannic Acid 10% Solution	U	U	U	U	U	U	U	U	1	U	U	U
22 Tartaric Acid 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
23 Thioglycollic Acid Concentrated	1	1	1	U	1	2	2E	1E	1E	1	2E	1
24 Absolute Alcohol	U	U	U	U	U	1	U	U	U	U	U	U
25 Amidol 10% Solution	3	3	3	3	3	2	3	3	4	3	3	3
26 Ammonia Solution 88	U	U	U	U	U	1	U	U	U	1	U	U
27 Ammonium Alum 10% Solution	U	U	U	U	U	U	1	1	U	1	U	U
28 Ammonium Bichromate 10% Solution	1	1	1	1	1	1	U	1	1	2	1	1
29 Ammonium Bromide10% Solution	U	U	U	1	U	U	U	U	1	U	U	U
30 Ammonium Carbonate 10% Solution	U	U	U	1	1	U	1	U	U	1	U	1
31 Ammonium Chloride 10% Solution	U	U	U	U	1	U	U	U	U	1	U	U
32 Ammonium Sulphate	U	U	U	U	U	U	U	U	U	U	U	U
33 Ammonium Thiocyanate 10% Solution	U	U	U	U	U	U	U	U	1	U	U	U
34 Borax 10% Solution	U	U	U	U	U	U	U	U	1	U	U	U

Polyflor Ltd, PO Box 3, Radcliffe New Road, Manchester, M45 7NR

	3700	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	3810
35 Calcium Choride 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
38 Catechol 10% Solution	2	2	2	3	2	2	1	3	3	3	3	2
39 Chrome Alum 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
40 Copper Sulphate 10% Solution	U	U	U	1	U	U	U	U	U	U	U	U
41 Ferric Ammonium Citrate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
42 Formaldehyde 50% solution	U	U	U	U	U	U	U	U	U	U	U	U
43 Glycerine	U	1	U	U	U	U	U	U	U	U	1	U
44 Glycine 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
45 Hydrogen Peroxide 100%	U	U	U	U	U	U	U	U	U	U	U	U
46 Hydroquinone 10% Solution	2	2	2	2	2	2	1	1	2	3	2	2
47 Hydroxylamine Hydrochloride 10% Soln	U	1	1	1	1	1	1	1	1	1	1	1
48 Iodine 5% Soln In Potassium Iodide Soln	3	3	3	3	3	3	2	3	3	4	4	5
49 Iodine Alcoholic Solution	3	3	2	3	2	3	3	3	3	3	3	3
50 Iron Perchloride 10% Solution	2	2	1	2	2	2	2	2	2	2	1	1
51 Iron Sulphate 10% Solution	U	U	U	U	U	1	U	1	U	U	U	U
52 Lead Acetate 10% Solution	U	U	U	U	U	U	U	U	1	1	U	U
53 Magnesium Sulphate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
54 Metol 10% Solution	2	2	2	3	2	1	1	3	3	3	2	3
55 Mercuric Chloride 10%Solution	U	U	U	U	1	U	U	U	U	U	U	U
56 Methylated Spirits 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
58 Phenol 10% Solution	1	1	1	1	2	5	3	2	1	1	1	1
59 Potassium Bromide 10% Solution	U	1	U	U	U	U	U	U	U	U	1	U
60 Potassium Carbonate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
61 Potassium Dichromate 10% Solution	1	1	1	U	1	U	U	1	1	1	U	1
62 Potassium Ferricyanide 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
63 Potassium Ferrocyanide 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
64 Potassium Hydroxide 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
65 Potassium Iodide 10% Solution	2	2	2	2	2	1	1	2	2	3	1	2
66 Potassium Metabisulphite 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
67 Potassium Oxalate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
68 Potassium Permanganate 10% Solution	5	5	5	5	5	5	5	5	5	5	5	5
69 Potassium Thiocyanate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
70 Silver Nitrate 10% Solution	2	2	1	2	2	U	1	1	2	3	1	2
71 Sodium Acetate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
72 Sodium Bicarbonate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
73 Sodium Bromide 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
74 Sodium Carbonate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
75 Sodium Chloride 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
76 Sodium Hydroxide 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
77 Sodium Hypochlorite 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
78 Sodium Perborate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
79 Sodium Phosphate 10% Solution	U	1	U	U	U	U	U	U	U	U	U	U
80 Sodium Sulphate 10% Solution	U	1	U	U	U	U	U	U	U	U	U	U
81 Sodium Sulphite 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
82 Sodium Thiosulphate 10% Solution	U	U	U	U	U	U	U	U	U	1	U	U

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	XLPU Shade											
Chemical	3820	3830	3840	3850	3860	3870	3880	3890	3900	3910	3920	3930
1 Acetic Acid Glacial	1	2	2	1	1	1	1	1	1	1	1	1
2 Acetic Acid 50% Solution	1	U	1	1	U	1	U	U	1	U	U	U
3 Acetic Acid 10% Solution	U	U	1	U	U	U	U	U	U	U	U	U
4 Boric Acid 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
5 Citric Acid 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
6 Hydrochloric Acid Concentrated	U	U	1	U	U	U	U	U	U	U	U	U
7 Hydrochloric Acid 50% Solution	U	U	1	U	U	U	U	U	U	U	U	U
8 Hydrochloric Acid 10% Solution	U	U	1	U	U	U	U	U	U	U	U	U
9 Lactic Acid Concentrated	1	1	1	2E	1	1E	2E	1	2E	1	1	1E
10 Nitric Acid Concentrated	3	3	1	1E	1	1E	1	1	1	1	1	1
11 Nitric Acid 50% Solution	1	2	1	1	U	U	U	1	U	U	U	U
12 Nitric Acid 10% Solution	1	1	1	1	U	U	U	U	U	U	U	1
13 Oxalic Acid 10% Solution	1	U	1	1	1	U	1	U	1	U	U	U
14 Perchloric Acid 60% Solution	1	2	2	1	U	1	1	U	1	U	1	1
15 Phosphoric Acid Concentrated	2	3E	4E	4	1E	1E	3E	U	3E	1E	1E	1E
16 Phosphoric Acid 50% Solution	2	2E	3E	3	1	1E	2E	U	2E	UE	U	1E
17 Pyrogallic Acid	3	2	4	3	3	4	3	4	3	3	3	3
18 Sulphuric Acid Concentrated	3	1	3	3	1	1E	2	1E	2	1	2	2
19 Sulphuric Acid 50% Solution	2E	1	2	2	1E	UE	1E	U	1E	UE	1E	1E
20 Sulphuric Acid 10% Solution	2	1	1	1E	U	U	1	U	1	UE	1E	1E
21 Tannic Acid 10% Solution	U	U	U	U	U	U	U	U	U	U	U	1
22 Tartaric Acid 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
23 Thioglycollic Acid Concentrated	2	2	3E	2E	1	3E	2	2	2	4E	2E	1
24 Absolute Alcohol	1	U	U	1	U	U	U	U	U	U	U	U
25 Amidol 10% Solution	3	1	5	4	4	4	4	3	4	3	3	4
26 Ammonia Solution 88	U	U	U	U	U	U	U	U	U	U	U	U
27 Ammonium Alum 10% Solution	U	1	U	U	U	1	U	U	U	U	U	1
28 Ammonium Bichromate 10% Solution	1	U	U	U	U	1	1	1	U	U	1	1
29 Ammonium Bromide10% Solution	1	U	U	1	U	U	U	U	U	U	U	1
30 Ammonium Carbonate 10% Solution	U	U	U	U	1	U	2	U	U	U	1	1
31 Ammonium Chloride 10% Solution	U	U	U	U	U	U	U	U	U	U	1	U
32 Ammonium Sulphate	U	1	U	U	U	U	U	U	U	U	U	U
33 Ammonium Thiocyanate 10% Solution	U	1	U	U	U	U	U	U	U	U	U	U
34 Borax 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U

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35 Calcium Choride 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
38 Catechol 10% Solution	1	1	2	2	2	2	4	4	3	3	3	3
39 Chrome Alum 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
40 Copper Sulphate 10% Solution	U	U	U	U	1	U	U	3	U	U	1	1
41 Ferric Ammonium Citrate 10% Solution	1	U	U	U	U	U	U	U	U	U	U	U
42 Formaldehyde 50% solution	U	U	U	U	U	U	U	U	U	U	U	1
43 Glycerine	U	U	U	U	1	1	U	U	U	U	1	U
44 Glycine 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
45 Hydrogen Peroxide 100%	U	U	U	U	U	U	U	U	U	U	U	U
46 Hydroquinone 10% Solution	1	1	1	2	2	2	3	3	1	2	2	2
47 Hydroxylamine Hydrochloride 10% Soln	2	1	2	U	U	U	U	U	U	U	U	U
48 Iodine 5% Soln In Potassium Iodide Soln	3	1	3	2	5	4	4	4	4	3	3	3
49 Iodine Alcoholic Solution	3	1	2	2	2	3	4	5	2	3	3	3
50 Iron Perchloride 10% Solution	1	2	1	1	1	3	2	1	U	2	2	2
51 Iron Sulphate 10% Solution	1	1	1	2	1	U	U	1	U	U	U	2
52 Lead Acetate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	2
53 Magnesium Sulphate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
54 Metol 10% Solution	2	1	4	3	4	3	4	3	3	3	3	3
55 Mercuric Chloride 10%Solution	U	1	1	U	U	U	U	U	U	U	U	1
56 Methylated Spirits 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
58 Phenol 10% Solution	1	4	5	2	2	1	1	3	1	1	1	2
59 Potassium Bromide 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
60 Potassium Carbonate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
61 Potassium Dichromate 10% Solution	1	U	U	U	U	1	U	U	U	U	U	1
62 Potassium Ferricyanide 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
63 Potassium Ferrocyanide 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
64 Potassium Hydroxide 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
65 Potassium Iodide 10% Solution	2	1	1	1	2	2	3	1	1	1	2	2
66 Potassium Metabisulphite 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
67 Potassium Oxalate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
68 Potassium Permanganate 10% Solution	5	4	5	5	5	5	5	4	5	5	5	5
69 Potassium Thiocyanate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
70 Silver Nitrate 10% Solution	1	U	3	2	2	3	3	3	1	2	2	2
71 Sodium Acetate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
72 Sodium Bicarbonate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
73 Sodium Bromide 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
74 Sodium Carbonate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
75 Sodium Chloride 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
76 Sodium Hydroxide 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
77 Sodium Hypochlorite 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
78 Sodium Perborate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
79 Sodium Phosphate 10% Solution	U	U	U	U	U	U	U	U	U	U	U	U
80 Sodium Sulphate 10% Solution	U	U	U	U	U	U	U	U	U	U	1	U
81 Sodium Sulphite 10% Solution	U	U	1	U	U	U	U	U	U	U	U	U
82 Sodium Thiosulphate 10% Solution	U	1	U	U	U	U	U	U	U	U	U	U