



Stain Resistance 1 of 2

Group 1.

The following chemicals can be left in contact with Solid Surfacing for prolonged periods (tested for a minimum of 16 hours) with no effect other than a possible slight surface mark which can be removed with detergent solution and a scouring pad.

Acetic acid	Copper sulphate	Phosphoric acid (<10%)
Acetone	Dioxane	Potassium nitrate
Aluminium hydroxide	Ethanol	Potassium carbonate
Ammonium hydroxide	Ethyl acetate	Potassium bromate
Ammonia (35%)	Ether	Petrol
Amyl acetate	Formic acid (<10%)	Paraffin
Alcohol	Formaldehyde	Sodium chloride
Barium hydroxide	Glycerine	Sodium hydroxide (<10%)
Benzene	Glycerol	Sodium carbonate
Benzoic acid	Hydrochloric acid (<10%)	Sodium nitrate
Bleach	Hydrogen peroxide	Sodium sulphate
Butyl acetate	Lactic acid	Sulphuric acid (<10%)
Calcium carbonate	Magnesium carbonate	Toluene
Calcium hydroxide	Magnesium sulphate	Trichloroethane
Calcium hypochlorite	Magnesium chloride	Uric acid
Carbon tetrachloride	Methanol	White spirit
Chromic acid	Methylene chloride	Xylene
Citric acid	Nitric acid (<10%)	Zinc sulphate

Group 2.

Prolonged contact with the following chemicals may produce a moderate to heavy stain which can, however, be removed with a scouring pad and abrasive cleaner, or with wet and dry sandpaper.

Bromine	Nigrosine
Chloroform	Nitric acid (>10%)
Formic acid (>10%)	Perchloric acid
Furfural	Phenol
Glacial acetic acid	Phosphoric acid (>10%)
Gentian violet	Potassium permanganate
Hydrochloric acid (10%)	Silver nitrate
Hydrofluoric acid	Sulphuric acid (>10%)
Iodine	Sodium hydroxide(>10%)
Mercurochrome	



Stain Resistance 2 of 2

Table 2. EN 438-2 groups 3 and 4 test methods.

Substance	Contact time	Rating*
Boric acid	10 minutes	5
Hydrochloric acid (3%)	10 minutes	5
Hydrogen peroxide (30%)	10 minutes	5
Iodine	10 minutes	5
Sanitary-ware cleaner	10 minutes	5
Shoe polish	10 minutes	5
Sodium hydroxide (25%)	10 minutes	5
Acetic acid (5%)	10 minutes	5
Citric acid (10%)	10 minutes	5

*Key to rating scale	
Rating 5	No visible change
Rating 4	Slight change in gloss and / or colour
Rating 3	Moderate change in gloss and / or colour
Rating 2	Significant change in gloss and / or colour
Rating 1	Surface damage
Note; Even the most stubborn stains can be removed by abrasive cleaning	