



MEGANITE PERFORMANCE PROPERTIES Chemical Resistance

MEGANITE Acrylic Solid Surface meets the standards as defined in ANSI Z124.6. Using a test procedure similar to this testing, MEGANITE has been further tested for stain resistance against a variety of other agents. Since the damage to a surface will vary with the chemical reagent, the exposure time, and the maintenance procedures – it is a good practice to test a piece of material to confirm the suitability of MEGANITE for the specific application.

MEGANITE has been successfully installed for countertops, work stations, laboratories, etc. in various facilities in the healthcare, institutional and food service industries. The following list of chemical residues are often used in these installations, and can be removed with a wet Scotch-Brite® pad and a bleaching cleanser.

Acetic acid (10%)	Ethyl acetate	Olive oil
Acetone	Ethyl ether	Pencil lead
Ammonia (10%)	Formaldehyde	Perchloric acid
Ammonium hydroxide (5, 28%)	Gasoline	Permanent marker ink
Amyl acetate	Gentian violet	Shoe polish
Amyl alcohol	Hair dyes	Silica dental cement (liquid)
Ballpoint pen ink	Household soaps	Soapless detergents
Benzene	Hydrochloric acid (20, 30, 37%)	Sodium bisulfate
"Betadine" solution	Hydrogen peroxide	Sodium hydroxide solution (5, 10, 25, 40%)
Bleach (household type)	Iodine (1%)	Sodium sulfate
Blood	Ketchup	Soy sauce
B-4 body conditioner	Lemon juice	Sugar (sucrose)
Butyl alcohol	Lipstick	Sulfuric acid (25, 33, 60%)
Carbon disulfide	Mercurochrome (2%)	Tea
Carbon tetrachloride	Methanol	Tetra hydrofuran
Citric acid (10%)	Methyl ethyl ketone	Toluene
Calcium thiocyanate (78%)	Methyl orange (1%)	Tomato sauce
Cigarette (nicotine)	Methyl red (1%)	Urea (6%)
Coffee	Mineral oil	Uric acid
Cooking oils	Mustard	Vinegar
Cotton seed oil	Nail polish	Washable inks
Cupra ammonia	Nail polish remover (acetone)	Wine (all varieties)
Dishwashing liquids/powders	Napthalene (naptha)	Xylene
Ethyl alcohol (ethanol)	n-Hexane	Zinc chloride

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These chemicals if left on the surface may require Scotchbrite or sanding of the surface for complete stain removal.

Acetic acid (90, 98%)	Hydrofluoric acid (48%)
Acid drain cleaners	Luralite mix (50/50)
Chlorobenzene	Methylene chloride-based products
Chloroform (100%)	Paint removers
Chromic trioxide acid	Brush cleaners
Cresol	Some metal cleaners
Dioxane	Nitric acid (25, 30, 70)
Ethyl acetate	Phenol (40, 85%)
Equalizing mix (50/50)	Phosphoric acid (75, 90%)
Formic acid (50, 90%)	Photographic film developer (used)
Furfural	Sulfuric acid (77, 96%)
Glacial acetic acid	Trichloroacetic acid (10, 50%)

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