

Chemical and Stain Resistance

NOVALAB Duratop is tested for chemical and stain resistance using same test methodology as outlined in AS/NZS 2924.1 1998. Each of the chemicals listed below is placed on the work surface, covered with a 1" (25.4mm) watch glass and left for 16 to 24 hours. The surface is then evaluated for damage, colour change or staining.

Acetic Acid (<i>all concentrations</i>)*	Methylene Blue
Acetone*	Methylene Chloride
Ag Eosin Bluish 5% in alcohol	Mineral Oil
Alconox	Monse's Solution
Aluminon	Naphtha
Ammonium Hydroxide (<i>all concentrations</i>)	Naphthalene
Ammonium Phosphate	n-Hexane
Amyl Acetate*	Nitric Acid (<i>all concentrations</i>)**
Amyl Alcohol*	Perchloric Acid (<i>concentrated</i>) ***
Aqua Regia ***	Petroleum Jelly
Aromatic Ammonia	Phenol (<i>all concentrations</i>)
Benedict's Solution	Phenolphthalein
Bromothymol Blue	Phosphate Buffered Saline
Butyl Alcohol*	Phosphoric Acid (<i>all concentrations</i>) ***
Calcium Hypochlorite (conc)	Picric Acid (1.2%)***
Camphorated para-Chlorophenol	Pine Oil
Carbon Disulphide*	Potassium Permanganate***
Carbon Tetrachloride*	Povidone Iodine
Cellosolve	Procaine
Chlorobenzene	Quaternary Ammonium Compounds
Chloroform	Safranin O
Chromic Trioxide***	Silver Nitrate**
Copper Sulphate	Sodium Azide
Cresol	Sodium Chromate
Cresol Red	Sodium Hydroxide (<i>all concentrations</i>)**
Crystal Violet	Sodium Hypochlorite (5%)*
Dimethyl Formamide	Sodium Sulphide (15%)
Dioxane	Sodium Thiocyanate
EDTA	Sucrose (50%)
Ethyl Acetate*	Sudan III
Ethyl Alcohol	Sulphuric Acid (<i>all concentrations</i>) ***
Ethylene Glycol	Tannic Acid (<i>saturated</i>)*
Eucalyptol	Tetrahydrofuran
Formaldehyde	Thymol and Alcohol
Formalin*	Thymol Blue
Formic Acid (<i>all concentrations</i>) ***	Tincture of Iodine
Gasoline	Tincture of Mercurochrome
Gentian Violet (1%)**	Tincture of Merthiolate
Glacial Acetic Acid (99%)*	Toluene
Gram Stains	Trichloroethane
Hydrochloric Acid (<i>all concentrations</i>) ***	Trisodium Phosphate (30%)
Hydrofluoric Acid (48%)**	Urea
Hydrogen Peroxide (3%)	Uric Acid (<i>saturated</i>)*
Iodine	Vegetable Oil
Karl Fisher Reagent	Wright's Blood Stain
Kerosene	Xylene
Lactated Ringers	Zephiran Chloride
Malachite Green	Zinc Chloride
Methanol*	Zinc Oxide Ointment
Methyl Ethyl Ketone	
Methyl Methacrylate	
Methyl Orange	
Methyl Red	

* Slight Effect – usually slight staining

** Moderate Effect – may include surface stains, or slight surface damage or roughness.

*** Severe Effect – including heavy staining, pitting or cratering of the surface.

Other chemicals have no effect