

TRESPA TOPLAB^{PLUS} - CHEMICAL RESISTANCE

(24 HOUR EXPOSURE)

Test procedure

The test was conducted by applying 5 drops of each reagent on the surface, covered with a watch glass (except those marked**). Chemicals marked ** were tested with a saturated cotton ball covered by a bottle. All chemicals were tested at room temperature for a period of 24 hours, rinsed off with water and evaluated.

Test results

No effect: No detectable stain, loss of gloss or change in work surface material.

Excellent: Slight stain or loss of gloss, but no change to the function, smoothness or life of the work surface material.

Good: A clearly discernible stain or loss of gloss, but no change to the function, smoothness or life of the work surface material.

Fair: Unacceptable staining or discernible deterioration or etching of the work surface material.

Failure: Severe stain or moderate deterioration, pitting cratering or etching of work surface material.

		No effect	Excellent	Good	Fair	Failure
Acids						
Acetic Acid	99%	■				
Acid Dichromate	5%	■				
Chromic Acid	60%	■				
Formic Acid	90%	■				
Hydrochloric Acid	10%	■				
Hydrochloric Acid	37%	■				
Hydrofluoric Acid	48%					■
Nitric Acid	20%	■				
Nitric Acid	30%		■			
Nitric Acid	65%			■		
Nitric Acid	70%			■		
Nitric Acid 65% : Hydrochloric Acid 37%	(1:3)	■				
Perchloric Acid	60%	■				
Phosphoric Acid	85%	■				
Sulphuric Acid	25%	■				
Sulphuric Acid	33%	■				
Sulphuric Acid	77%	■				
Sulphuric Acid	85%	■				
Sulphuric Acid	98%		■			
Sulfuric Acid 77% : Nitric Acid 70%	(1:1)			■		
Sulfuric Acid 85% : Nitric Acid 70%	(1:1)			■		
Bases						
Ammonium Hydroxide	28%	■				
Sodium Hydroxide	10%	■				
Sodium Hydroxide	20%	■				
Sodium Hydroxide	40%	■				
Sodium Hydroxide Flake		■				
Salts						
Copper Sulphate	10%	■				
Ferric(III)chloride	10%	■				
Potassium Iodide	10%	■				
Potassium Permanganate	10%	■				
Saturated Zinc Chloride		■				
Silver Nitrate	1%	■				
Sodium Chloride	10%	■				
Sodium Hypochlorite	13%	■				
Halogens						
Iodine (Crystals)			■			
Iodine Solution (0.1 N)			■			
Tincture of Iodine		■				
Organic Chemicals						
Cresol		■				
Dimethylformamide		■				
Formaldehyde	37%	■				
Furfural			■			

		No effect	Excellent	Good	Fair	Failure
Gasoline		■				
Hydrogen Peroxide	3%	■				
Phenol	90%	■				
Sodium Sulfide Saturated		■				
Solvents**						
Acetic Anhydride		■				
Acetone		■				
Acetonitrile		■				
Amyl Acetate		■				
Benzene		■				
Butyl Alcohol		■				
Carbon Tetrachloride		■				
Chloroform		■				
Dichlor Acetic Acid		■				
Dichloromethane		■				
Dioxane		■				
Diethyl Ether		■				
Ethylacetate		■				
Ethylalcohol		■				
Ethylene Glycol		■				
Methylalcohol		■				
Methylene Chloride		■				
Methylethylketone		■				
Methylisobutylketone		■				
Mono Chlorobenzene		■				
Naphelene		■				
n-Butyl Acetate		■				
Tetrahydrofurane		■				
n-Hexane		■				
Toluene		■				
Trichloroethylene		■				
Xylene		■				
Biological Stains						
Acridine Orange	1%	■				
Alizarin Complexone Dihydrate	1%	■				
Aniline Blue, water soluble	1%	■				
Basic Fuchsin	1%	■				
Carbol Fuchsin	1%	■				
Carmine	1%	■				
Congo Red	1%	■				
Gentian Violet (dye)	1%	■				
Eosin B	1%	■				
Giemsa Stain	1%	■				
Malachite Green Oxalate	1%	■				
Methyl Violet 2B	1%	■				
Methylene Blue	1%	■				
Safranin O	1%	■				
Sudan III	1%	■				
Wright Stain	1%	■				
Most conventional cleaning agents		■				



The chemicals in the above table include the 49 chemicals/concentrations set forth by SEFA 8 (Laboratory Casework) specifications as well as the main reagents from independent testing via Professional Service Industries/Pittsburgh Laboratory Division.

All information is based on our current state of knowledge. It is intended as information concerning our products and their application possibilities, and is therefore not intended as any form of guarantee with regard to any specific product characteristic. Test results differ per color.

Although the tests have been conducted according to the standard, it is recommended that users conduct their own tests: convince yourself that Trespa TopLab^{PLUS} is the only true multifunctional worktop!

MATERIAL PROPERTIES TRESPA TOPLAB^{PLUS}

For all Uni-colors mentioned in the standard Trespa TopLab^{PLUS} delivery program.
For other colors data available on request.

Properties	Value	Unit	US Value	Unit	Standard
Physical properties					
Density	≥ 1350	kg/m ³	≥ 84.24	lbs/ft ³	ISO 1183
Weight					
Thickness 13 mm (1/2 in)	± 18.5	kg/m ²	± 3.8	lbs/ft ²	
Thickness 16 mm (5/8 in)	± 22.5	kg/m ²	± 4.6	lbs/ft ²	
Thickness 20 mm (3/4 in)	± 28.0	kg/m ²	± 5.7	lbs/ft ²	
Thickness 25 mm (1 in)	± 35.0	kg/m ²	± 7.2	lbs/ft ²	
Panel Tolerance					
Length & Width	- 0.0/+5	mm	- 0.0/+0.2	in	EN 438
Thickness	± 0.6 for 13	mm	± 0.024 for 1/2	in	EN 438
	± 0.7 for 16	mm	± 0.028 for 5/8	in	
	± 0.8 for 20 and 25	mm	± 0.031 for 3/4 -1	in	
Optical properties					
Resistance to dry heat at 180°C (356°F)	≥ 4	Rating			EN 438
Resistance to wet heat at 100°C (212°F)	≥ 4	Rating			EN 12721
Resistance to crazing	≥ 4	Rating			EN 438
Resistance to color change (UVA)	≥ 6	Wool scale			ASTM G53-91 (315 - 400nm)
Mechanical properties					
Modulus of elasticity	≥ 9000	N/mm ²	≥ 1,300,000	psi	ISO 178
Tensile strength	≥ 70	N/mm ²	≥ 10,100	psi	ISO 527-2
Flexural strength	≥ 100	N/mm ²	≥ 14,500	psi	ISO 178
Resistance to impact by large diameter ball					
Drop height	1800	mm	71	in	
Diameter of indentation	≤ 10	mm	≤ 0.4	in	
Wear resistance for standard quality					
Initial point	≥ 150	Revolutions			EN 438
Wear value	≥ 350	Revolutions			
Region					
Behavior in case of fire					
European Union	Type Standard	Euroclass D-s2d0		EN 438-7	
Region					
Certificates					
North America	GREENGUARD Indoor Air Quality Certified®			FC2lp94711-3	
	GREENGUARD Children & Schools SM			FC2lp94711-3	