

Evaluation Ratings:

After 24 hour exposure, surfaces are washed with water, then a detergent solution, finally with naphtha, then rinsed with distilled water and dried with a cloth. Change in surface finish and function shall be described by the following (1-5) ratings:

- 1) No Effect: No detectable change in the material surface.
- 2) Excellent: Slight detectable change in color or gloss, but no change to the function or life of the work surface material.
- 3) Good: Clearly discernible change in color or gloss, but no significant impairment of surface life or function.
- 4) Fair: Objectionable change in appearance due to surface discoloration or etch, possibly resulting in deterioration of function over an extended period.
- 5) Failure: Pitting, cratering or erosion of work surface material; obvious and significant deterioration.

Minimum acceptable test results shall be equal to or better than the following rating:

Chemicals	Minimum Acceptable Results	Chemicals	Minimum Acceptable Results
Inorganic Acids – Corrosive		Organic Solvents	
Chromic Acid 40%	4	Acetone	2
Hydrochloric Acid 10%	1	Benzene	2
Hydrochloric Acid 37%	1	Carbon Tetrachloride	2
Nitric Acid 40%	1	Dimethyl Ether	1
Nitric Acid 70%	1	Dimethyl Formamide	1
Sulfuric Acid 60%	1	Ethyl Acetate	1
Sulfuric Acid 96%	5	Ethyl Alcohol 95%	1
Organic Acids – Corrosive		Ethylene Dichloride	1
Acetic Acid 5%	1	Heptane	1
Acetic Acid, Glacial	1	Isooctane	1
Citric Acid 1%	1	Kerosene	1
Oleic Acid	1	Methyl Alcohol	1
Phenol Solution 5%	1	Toluene	1
Alkaline Solutions – Corrosive		Organic Compounds	
Ammonium Hydroxide 10%	1	Aniline	1
Sodium Carbonate Sol 20%	1	Mineral Oil	1
Sodium Hydroxide 60%	1	Olive Oil	1
Sodium Hypochlorite Sol 4%	1	Soap Solution 1%	1
Potassium Hydroxide 15%	1	Transformer Oil	1
		Turpentine	1

		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		Quality		Fire classification	
European Union		Type Standard		Euroclass D-s2d0	
				EN 438-7	
Region					
Certificates		Available		Standard	
North America		GREENGUARD Indoor Air Quality Certified® GREENGUARD Children & Schools SM		FC2lp94711-3 FC2lp94711-3	