



Trespa TopLab^{Plus} from Laminex®

TopLab^{Plus} is a compact laminate extremely versatile with excellent chemical and physical properties. High chemical, scratch, wear, impact and moisture resistance makes it ideal for a variety of internal applications especially in biological, chemical and educational laboratories.

TopLab^{Plus} is a self-supporting high pressure decorative laminate based on thermosetting resins, homogeneously reinforced with cellulose fibres manufactured under high pressure. TopLab^{Plus} panels have an intergrated decorative surface based on pigmented, Electron Beam Cured resins which provides exceptional durability, maintainability and chemical resistance. TopLab^{Plus} is manufactured in Europe by Trespa International BV.

APPLICATIONS

TopLab^{Plus} is particularly suitable for laboratory applications. It is ideal for worktops and a broad range of chemical, biological and physical laboratories.

PRODUCT CHARACTERISTICS

Sizes:	3050mm x 1530mm 2550mm x 1860mm
Thickness:	13mm and 16mm
Weight:	1.4kg/m ² per 1mm thickness
Finish:	Crystal Matt
Availability:	Refer to the product availability chart.

FIRE HAZARD INDICES

(Typically achieved when tested to AS/NZS 1530.3-1999*)

Indices	Result		Range
	13mm	16mm	
Ignitability	12	12	0-20
Spread of Flame	9	9	0-10
Heat Evolved	8	7	0-10
Smoke Developed	4	4	0-10

* Laminate tested free standing.

PROPERTIES

(AS/NZS 2924.1-1998)	
PROPERTY	REQUIREMENT
Resistance to Surface Wear:	Initial wear not less than 150 cycles. Average wear not less than 350 cycles.
Resistance to Immersion in Boiling Water:	No deterioration other than slight loss of gloss. Gain in weight of not more than 3%.
Resistance to Dry Heat at 180°C:	No deterioration other than slight loss of gloss and/or colour.
Resistance to Steam:	No deterioration other than slight change of gloss and/or colour.
Dimensional Stability:	Dimensional change of not more than 0.25% with grain and 0.55% across grain.
Resistance to Staining:	Reagents Groups 1 and 2 = No visible change. Reagents Groups 3 and 4 = Slight change of colour and/or gloss.
Resistance to Colour Change in Artificial Light*:	Not more than slight colour change in Xenon arc light. (minimum 6 on Blue Wool Scale).
Resistance to Cigarette Burns:	No deterioration other than moderate change in gloss and moderate brown staining.

* TopLab^{Plus} has good colour retention in normal interior applications. However, prolonged exposure to sunlight may cause some change in colour. TopLab^{Plus} is therefore not recommended for external applications.

TopLab^{Plus} laminate conforms with AS/NZS 2924.1-1998 for high-pressure decorative laminates.

CHEMICAL RESISTANCE

TopLab^{Plus} resists most aggressive chemicals. Its surface will not be damaged or stained if aggressive chemicals are removed from it within 24 hours. Please refer to TopLab^{Plus} Chemical Resistance Data Sheet.

WHEN SPECIFYING

Materials shall be Trespa TopLab^{Plus} from Laminex® of nominal thickness of mm, as supplied by Laminex Industries. Colour shall be

SITE WORK NOTES

Fabrication

TopLab^{Plus} can be cut, drilled and machined with standard woodworking equipment fitted with tungsten carbide edges. Surface mounted objects should be secured using self-tapping screws in pre-drilled holes.

Screws into the edges should be avoided.

Metal brackets are recommended for securing the panels together. Mitring of edges should be avoided as they are vulnerable to damage.

Note:

Contact Laminex Industries for a detailed guide on fabrication and installation of Trespa TopLab^{Plus} from Laminex®.

TRY TOPLAB^{PLUS} IN THE CHEMICAL RESISTANCE TEST!

Test Procedure

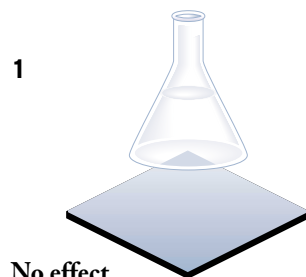
The test was conducted by applying 5 drops of each reagent on the surface, covered with a watchglass (except those marked^{1**}). Chemicals marked^{**} were tested using a saturated cotton wool ball covered by a bottle. The chemicals were tested over a period of 24 hours, rinsed off with water and evaluated.

Although the test was conducted professionally by an independent testing lab*, it is recommended that users conduct their own tests: convince yourself that TopLab^{Plus} is the only true multifunctional worktop!

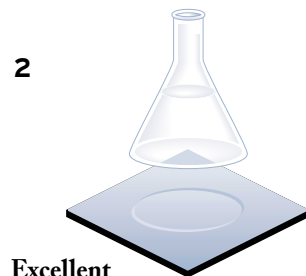
* PSI: Professional Service Industries/Pittsburgh Laboratory Division



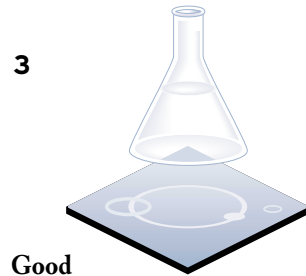
Test Results



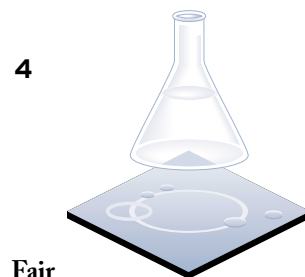
No effect
No detectable stain, loss of gloss or change in work surface material



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.

General Site Work Notes

[Appendix 1. Laminate Products.](#)

Chemical Resistance

[Appendix 1. Laminate Products.](#)

Care & Maintenance

[Appendix 2. General Care.](#)



		No effect	Excellent	Good	Fair	Failure
Acids						
Hydrochloric Acid	10%	X				
Hydrochloric Acid	37%	X				
Sulphuric Acid	33%	X				
Sulphuric Acid	98%		X			
Nitric Acid	30%	X				
Nitric Acid	65%		X			
Phosphoric Acid	85%	X				
Acetic Acid	99%	X				
Hydrofluoric Acid	48%					X
Chromic Acid	60%	X				
Bases						
Ammonium Hydroxide	28%	X				
Sodium Hydroxide	46%				X	
Salt						
Silver nitrate	1%	X				
Potassium Permanganate	10%	X				
Ferric (III) Chloride	10%	X				
Copper Sulphate	10%	X				
Sodium Hypochlorite	13%	X				
Sodium Chloride	10%	X				
Organic Chemicals						
Formaldehyde	37%	X				
Furfural			X			
Formic Acid	90%	X				
Acetic Acid	99%	X				
Phenol	88%	X				
Solvents						
Acetone		X				
Ethylalcohol		X				
Ethylene Glycol		X				
Ethylene Glycol Mono Butyl Ether		X				
Methylethylketone		X				
Dichloromethane		X				
Ethylacetate		X				
Acetic Anhydride		X				
n-Butyl Acetate		X				
n-Hexane		X				
Methylalcohol		X				
Methylisobutylketone		X				
Tetrahydrofurane		X				
Toluene		X				
Trichloroethylene		X				
Xylene		X				
Biological Stains						
Acridine Orange	1%	X				
Basic Fuchsin	1%	X				
Carbol Fuchsin	1%	X				
Malachite Green Oxalate	1%	X				
Methylene Blue	1%	X				
Methyl Violet 2B	1%	X				
Wright Stain	1%	X				
Gentian Violet (dye)	1%	X				
Most conventional cleaning agents		X				

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 specific product characteristic. Test results differ per colour. Please note: TopLab™ samples are available upon request. We strongly recommend that you test the TopLab™ material in situ with the chemicals most likely to be in contact with the product.