

LABORATORY WORKTOPS INTERIOR PANELS

Think Trespa



TRESPA®



TRESPA TOPLAB^{ECO-FIBRE} – A CHOICE FOR THE FUTURE

Selecting the right material for laboratory worktops and furniture is never easy. Hygiene, cleanliness, chemical and stain resistance are essential, and worktops in particular need to be hygienic, easy to clean and maintain, durable and flexible.

Increasingly, there is also an additional need to find environmentally friendly solutions – to minimize ecological impact and maximize sustainability.

It is with this firmly in mind that Trespa has introduced Trespa TopLab^{ECO-FIBRE}, a panel that combines natural aesthetics with outstanding chemical performance, whilst at the same time making a significant contribution to the preservation of limited natural resources.

Colour-through core for great natural looks

Trespa TopLab^{ECO-FIBRE} is available in two contemporary and attractive colours. These panels have a colour-through core to allow the creation of a natural and attractive laboratory environment.

The colour options are Sahara – a sandy beige tone, and Amazon – a dark green with grey undertones. These two colours are produced from natural wood fibres, combined with resin and pigments. The inherent characteristics of the wood fibres create a natural variation in colour and appearance both within the same panel and from sheet to sheet, enhancing the overall natural look.

Strong commitment to the environment

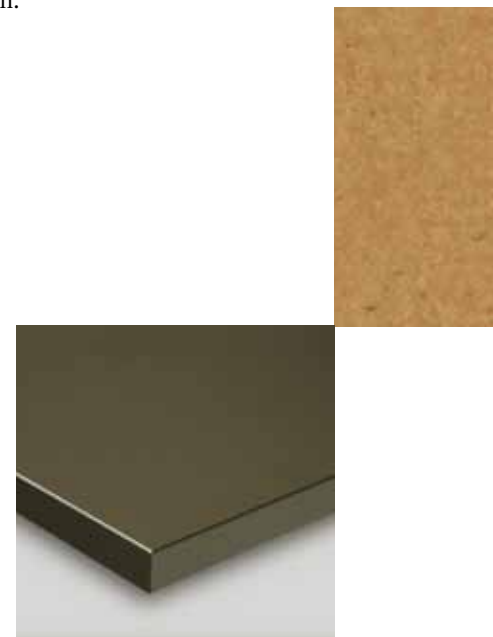
Trespa TopLab^{ECO-FIBRE} is a durable, easy-to-clean and low maintenance material made from sustainable resources. The panels consist of thermosetting resins, homogeneously reinforced with certified wood fibres, harvested from European forests and manufactured under high pressure and at high temperatures.

Its wood fibre base makes Trespa TopLab^{ECO-FIBRE} an environmentally sound solution, which is certified by the Programme for the Endorsement of Forest Certification schemes (PEFC), the world's largest forest certification organization.

With a growing demand for more environmentally sustainable products, Trespa TopLab^{ECO-FIBRE} is the choice material for planners and customers who want to make a positive impact on the environment.

Proven chemical resistance

Trespa TopLab^{ECO-FIBRE} is a unique material that combines outstanding chemical resistance with a colour-through core. Thanks to Trespa's Electron Beam Curing (EBC) technology and its transparent topcoat, the surface is completely pore-free and resistant to a large number of aggressive chemicals; wear and water resistant; easy to clean, disinfect and maintain.



TRESPA TOPLAB^{ECO-FIBRE} – SUSTAINABLE FROM EVERY PERSPECTIVE

High aesthetics, low maintenance

Trespa TopLab^{ECO-FIBRE} sets new standards in laboratory aesthetics. Panels have a smooth surface. This makes them highly suitable for multi-functional surfaces on which activities can be combined: from placing laboratory equipment and computers to carrying out specific analysis and research to more general work, such as administration. Worktops and furniture are easy to keep clean and will keep their good looks for many years to come, even when in constant use.

Colour all the way through

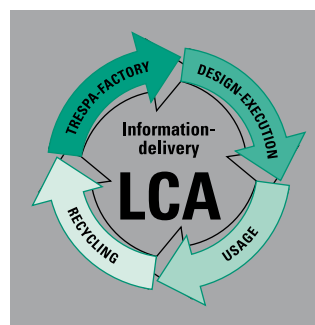
Trespa is the first manufacturer to produce colour-through laboratory worktop based on Trespa's Dry Forming (DF) technology. The natural look and the warm and natural colours of Trespa TopLab^{ECO-FIBRE} enable designers to create highly individual laboratory environments. In the unlikely event that a surface is damaged, the colour-through panel will retain its colour.

Because the panels are created with natural wood fibres, Trespa TopLab^{ECO-FIBRE} is subject to slight variations in colour both within one panel and from sheet to sheet. This enhances the natural look of the material and highlights the individuality of the laboratory design.

Trespa supports long-term sustainability

Trespa was one of the first manufacturers of construction products to map the totality of its products effects by means of a life-cycle analysis (LCA), right from the source of the raw materials to the end of the life-cycle.

Trespa International was one of the first producers of panel material to be certified in 1999 according to ISO 14001, awarded by Lloyd's Register. The ISO 14001 standard describes the steps required for setting up, implementing, maintaining and improving a completely integrated environmental management system.





Trespa TopLab^{ECO-FIBRE} and PEFC Certification

With a need to find environmentally sound solutions, public authorities and corporate procurement policies increasingly demand reassurance and/or proof that the wood they use in their applications comes from sustainably managed forests. The Programme for the Endorsement of Forest Certification schemes (PEFC), the world's largest forest certification organization, offers a reliable and credible mechanism to prove to their customers where the wood for their products has come from.

The certification of Trespa TopLab^{ECO-FIBRE} provides transparent and independent proof that the wood materials used in its manufacture fully comply with PEFC requirements. Moreover, Trespa International has achieved the new step of integrating the PEFC Chain of Custody system in its environmental management system.

Chain of Custody certification is the tracking of wood (based) products from the forest of origin to the final product. By providing a written assessment from an independent, qualified and accredited expert that the wood flow accounting system meets the exacting requirements of the certification scheme, customers can be absolutely sure that their product is linked to certified forests.

Global recognition

In addition, Trespa TopLab^{ECO-FIBRE} is recognized by individual national and international authorities around the world. Trespa TopLab^{ECO-FIBRE} has been GREENGUARD Indoor Air Quality Certified® by the GREENGUARD Environmental Institute under the GREENGUARD Standard for Low Emitting Products and has been also GREENGUARD Indoor Air Quality Certified under the GREENGUARD for Children & SchoolsSM product certification program for low-emitting interior building materials, furnishings, and finish systems used in educational, office and other sensitive environments.



PEFC certified

**Trespa TopLab^{ECO-FIBRE}
is from sustainably
managed forests and
controlled sources.**

www.pefc.org



TRESPA TOPLAB^{ECO-FIBRE} - HIGH AESTHETICS, LOW MAINTENANCE

Cleanability and hygiene

Trespa TopLab^{ECO-FIBRE} is designed to deliver an outstanding performance in a laboratory environment, where hygiene is key. Its surface is close to impervious to all possible materials used in biochemical and medical laboratories: radio-isotopes, human tissue and blood samples or bacteria. Biological or clinical test results are dependent on non-contamination. The Trespa TopLab^{ECO-FIBRE} surface is impermeable to most bacteria, moulds or micro-organisms. Resistant to dyes and organic solvents, Trespa TopLab^{ECO-FIBRE} is water-resistant and remains easy to clean or disinfect.

Chemical resistance

Trespa TopLab^{ECO-FIBRE} is resistant to a large number of aggressive chemicals. They will not mark the surface if cleaned within 24 hours. Test results show the panel's 24 hour resistance (see separate test datasheet).

Durability

Trespa TopLab^{ECO-FIBRE} is ideal for use in a multi-functional environment. Used in worktops and other applications, the material is versatile and provides a tough and long-lasting surface that will retain its good looks for many years. Used as part of a mobile and flexible environment, Trespa TopLab^{ECO-FIBRE} delivers added strength to any laboratory or lecture room.



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Questions

Should you have any questions or comments, please do not hesitate to contact Trespa.

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TRESPA TOPLAB^{ECO-FIBRE} – THE NATURAL CHOICE FOR LABORATORIES

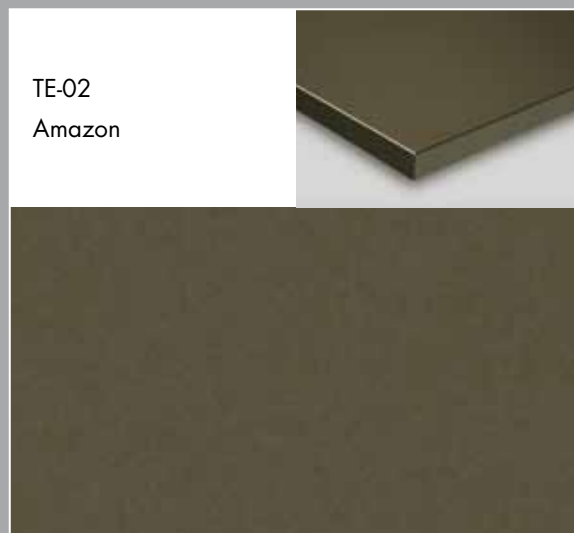
Laboratories need to be functional and durable. Now they can also be esthetically and environmentally sound. New Trespa TopLab^{ECO-FIBRE} is designed to stay looking good in hard working and challenging conditions.

Colour-through core for great natural looks

Trespa TopLab^{ECO-FIBRE} panels are available in two colours and have a colour-through core. The colour options are Sahara – a sandy beige tone, and Amazon – a dark green with grey undertones. These two colours are produced from natural wood fibres in combination with resin and pigments. The wood fibres' inherent characteristics create a natural variation in colour and appearance both within the same panel and from sheet to sheet, enhancing the overall natural look.

PEFC Certification: commitment to the Environment

As a durable, easy-to-clean and low maintenance material made from sustainable resources, Trespa TopLab^{ECO-FIBRE} has been certified by the Programme for the Endorsement of Forest Certification schemes (PEFC). The PEFC Council is an independent, non-profit, non-governmental organization which promotes sustainably managed forests through independent third party certification and supported by 149 governments in the world covering 85% of the world's forest area.



PEFC certified

Trespa TopLab^{ECO-FIBRE}
is from sustainably
managed forests and
controlled sources.

www.pefc.org

The colours in this document are printed, and therefore, cannot accurately represent the natural variation in Trespa TopLab^{ECO-FIBRE} colour shades. Also gloss and surface texture may vary slightly from the original panel. Original samples are available on request.

TRESPA TOPLAB^{ECO-FIBRE} - CHEMICAL RESISTANCE

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, rinsed off with water and evaluated.

Test results

No effect	0	No detectable stain, loss of gloss or change in work surface material
Excellent	0.5	Slight stain or loss of gloss, but no change to the function, smoothness or life of the work surface material
Good	1.0	A clearly discernible stain or loss of gloss, but no change to the function, smoothness or life of the work surface material
Fair	2.0	Unacceptable staining or discernible deterioration or etching of the work surface material
Failure	3.0	Severe stain or moderate deterioration, pitting cratering or etching of work surface material

The chemicals mentioned in the table include chemicals/concentrations listed by SEFA 8 (Scientific Equipment and Furniture Association).

All information is based on our current level on knowledge. The information provided is intended to give an indication of the application possibilities of our products. It is not therefore, intended as any form of guarantee with regard to any specific characteristic. Test results differ per colour.

Although the tests have been conducted according to the standard, it is recommended that users conduct their own tests on Trespa TopLab^{ECO-FIBRE}.

		TE-02 Amazon	TE-05 Sahara
Acids			
Acetic Acid	99 %	0	0
Acid Dichromate	5 %	0	0
Chromic Acid	60 %	0	0
Hydrochloric Acid	10 %	0	0
Hydrochloric Acid	37 %	0	0
Hydrofluoric Acid	48 %	3.0	3.0
Nitric Acid	20 %	0	0
Nitric Acid	30 %	0	0
Nitric Acid	65 %	1.0	1.0
Nitric Acid	70 %	1.0	1.0
Nitric Acid 65 %: Hydrochloric Acid 37 %	(1:3)	0	0
Perchloric Acid	60 %	0	0
Phosphoric Acid	85 %	0	0
Sulphuric Acid	25 %	0	0
Sulphuric Acid	33 %	0	0
Sulphuric Acid	98 %	0.5	0.5
Sulfuric Acid 77 %: Nitric Acid 70 %	(1:1)	0.5	1.0
Sulfuric Acid 85 %: Nitric Acid 70 %	(1:1)	0.5	1.0
Bases		TE-02 Amazon	TE-05 Sahara
Ammonium Hydroxide	28 %	0	0
Sodium Hydroxide	10 %	0	0
Sodium Hydroxide	20 %	0	0
Sodium Hydroxide	40 %	0	0
Sodium Hydroxide Flake		0	0
Salts		TE-02 Amazon	TE-05 Sahara
Copper Sulphate	10 %	0	0
Ferric (III) Chloride	10 %	0	0
Potassium Iodite	10 %	0	0
Potassium Permanganate	10 %	0	0
Saturated Zinc Chloride		0	0
Silver Nitrate	1 %	0	0
Sodium Chloride	10 %	0	0
Sodium Hypochlorite	13 %	0	0
Halogens		TE-02 Amazon	TE-05 Sahara
Iodine (Crystals)		0.5	0.5

Iodine Solution (0.1 N)		0.5	0.5
Tincture of Iodine		0	0
Organic Chemicals		TE-02 Amazon	TE-05 Sahara
Cresol		0	0
Dimethylformamide		0	0
Formaldehyde	37 %	0	0
Furfural		0	0
Gasoline		0	0.5
Hydrogen Peroxide	3 %	0	0
Phenol	90 %	0	0
Sodium Sulfide Saturated		0	0
Solvents**		TE-02 Amazon	TE-05 Sahara
Acetic Anhydride		0	0
Acetone		0	0
Acetonitrile		0	0
Amyl Acetate		0	0
Benzene		0	0
Butyl Alcohol		0	0
Carbon Tetrachloride		0	0
Chloroform		0	0
Dichlor Acetic Acid		0	0
Dichloromethane		0	0
Dioxane		0	0
Diethyl Ether		0	0
Ethylacetate		0	0
Ethylalcohol		0	0
Ethylene Glycol		0	0
Methylalcohol		0	0
Methylene Chloride		0	0
Methylethylketone		0	0
Methylisobutylketone		0	0
Mono Chlorobenzene		0	0
Napthelene		0	0
n-Butyl Acetate		0	0
Tetrahydrofurane		0	0
n-Hexane		0	0
Toluene		0	0
Trichloroethylene		0	0
Xylene		0	0
Biological Stains		TE-02 Amazon	TE-05 Sahara
Acridine Orange	1%	0	0
Alizarin Complexone Dihydrate	1%	0	0
Aniline Blue, Water Soluble	1%	0	0
Basic Fuchsin	1%	0	0
Carbol Fuchsin	1%	0	0
Carmine	1%	0	0
Congo Red	1%	0	0
Gentian Violet (dye)	1%	0	0
Eosin B	1%	0	0
Giemsa Stain	1%	0	0
Malachite Green Oxalate	1%	0	0
Methyl Violet 2B	1%	0	0
Methylene Blue	1%	0	0
Safranin O	1%	0	0
Sudan III	1%	0	0
Wright Stain	1%	0	0
Most conventional cleaning agents		TE-02 Amazon	TE-05 Sahara
		0	0

Please check www.trespa.info for the latest version of the material properties and delivery programme.