

Mark Finn Laboratory Furniture Ltd

For over 35yrs

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What is Trespa Base?

Trespa Base is a flat panel based on thermosetting resins, homogeneously reinforced with wood fibers and manufactured under high pressure and temperature. Using special techniques, the panels have an integrated, decorative surface with melamine-impregnated paper.

The resultant properties make the product particularly suitable for a wide range of interior applications.

Various environmental considerations played an important role in the development of Trespa Base. They range from optimal use of raw materials to an extremely long product lifespan.

What makes Trespa Base so unique?

Trespa Base has an unrivalled performance. It is extremely wear-resistant and not adversely affected by moisture. Furnished with high chemical resistance, this panel material can withstand cleaning even with aggressive disinfectants. These cleaning agents impair neither the properties nor the appearance of the panel.

What's more, a favourable combination of flexural strength and elasticity make Trespa Base highly impact resistant.

Because the panel surface has a closed structure, dirt doesn't cling, making Trespa Base very easy to clean.

The fire behaviour of the panel material is excellent. It does not melt or drip and retains its stability for a long time.

Standard tungsten carbide-tipped tools for hardwood can be used for any kind of processing such as sawing, drilling, and routing.

Where can Trespa Base be used?

- Trespa Base was specially designed for interior applications such as:
- Wall cladding, partitions, lockers, and cubicles in wet and damp areas. Trespa Base's resistance to moisture makes it ideal for use in shower and toilet areas.
- Wall cladding in rooms. Trespa Base is unaffected by aggressive cleaning agents and disinfectants. This is vital in areas such as operating theatres, laboratories, and pharmaceutical and food production environments.
- Changing Rooms. Trespa Base is particularly ideal because of its easy-to-clean surface along with its exceptional scratch and impact resistance.
- Laboratory furniture. The easy-to-clean low maintenance combined with good chemical resistance makes Trespa Base ideal for use in a variety of pharmaceutical, cosmetic, electronic and food production environments.
- Furniture. Trespa Base is highly self-supporting due to its flexural rigidity. This property in combination with high scratch and wear resistance plus a wide range of colours makes the material ideal for all kinds of furniture and fittings. That's why Trespa Base is a clear favourite of applications such as office and educational furniture, reception desks, cabinets, tables, vanity units and the like.

Excellent Properties

Ideal for intensive use

As an extremely versatile material, with excellent properties, Trespa Base is ideal for use in all public and leisure buildings and for furniture subject to intensive use. It fulfils the requirements for HPL products as defined in BS EN 438-2/91. No edge banding is needed and it will not delaminate

Resistant to wear

Tests in accordance with BS EN 438-2/91 proved that Trespa Base is highly resistant to wear, making it ideal for installation where heavy use and frequent cleaning are expected.

Scratch-resistant

The special surface structure and durability of Trespa Base provide excellent scratch resistance. Even in heavy-duty use, the panel retains its appearance for a very long time.

Simple to clean

The closed, non-porous surface of Trespa Base does not attract dirt. This means that the panel can easily be cleaned either with normal cleaning agents or even with strong disinfectants because the material is chemically resistant. It's also easy to clean graffiti, for which an organic solvent should be used - there's no danger of affecting the colour.

Good chemical resistance

Trespa Base has a high resistance to organic solvents such as acetone, toluene, xylene and similar substances. The panel is also resistant to disinfectants and cleaning chemicals as well as food juices and dyes, which affect neither the properties nor the appearance. However, where concentrated, strong acids are frequently used we recommend the extremely chemical-resistant Trespa Toplab.

Resistant to moisture

Trespa Base is not adversely affected by moisture and is not susceptible to weathering, mold or rot. Both the surface and the core are manufactured using specific, thermosetting resins, which make them impervious to moisture. The dimensional stability and workability of Trespa Base are comparable to those of hardwood.

Impact-resistant

The combination of a solid, homogenous core with a hard surface based on melamine resins gives the panel exceptional impact resistance. This is confirmed by the result of the dynamic ball-indentation test in accordance with BS EN 438-2/91 - and of course by its day-to-day practical use, e.g. as wall cladding public rooms and rooms susceptible to vandalism, or as bumper rails in hospital corridors.

Safe fire behaviour

The surface of Trespa Base is, in accordance with BS EN 438-2/91, highly resistant when in contact with burning cigarettes. The material does not catch fire and flake off. The fire behaviour of both types of Trespa Base is comparable to that of hardwood. The panel material does not melt, drip or explode and retains its stability for a long period of time. Trespa Base is self-extinguishing and U.L classified and labelled.

Suitable for applications in the food industry

Trespa Base conforms with the requirements of the FDA (Food and Drug Administration) for direct contact with foods.

Anti-static

Trespa Base is designated as an anti-static material - in accordance with DIN 51 953 and DIN 53 482. This makes the panel particularly suitable for applications in clean rooms, as computer furniture or in the optical industry.

Radiation

Trespa Base can be penetrated by X-rays, so it is often used in the medical treatment sector.

Trespa and the environment

Panel waste can be disposed of or used just like normal building or demolition waste. If it is burned in industrial furnaces (at a temperature of > 720 °C), no hazardous, corrosive gases are released. This is also a good method of recovering energy. Early on we recognized the importance of an independent life-cycle analysis. Today Trespa can clearly show the ecological impact of its products - from the raw materials and the production process to the application and recycling