

Fortis

Compact

Storage, Transport, Processing and Cleaning.

Fortis Compact Laminate

This document contains the key technical information you'll use in the everyday application of Fortis Compact. It brings together practical details such as product parameters, recommended transport, storage conditions, and simple cleaning and maintenance methods.

Material Characteristics

Fortis Compact is a thermoset high-pressure compact laminate manufactured under high temperature and pressure, creating a dense, durable material designed for demanding environments.

The product range is broad, making it suitable for a wide variety of applications. From sanitary and wet areas to wall and column cladding, railing infills, furniture, tables, desks, and laboratory worktops. It performs exceptionally well anywhere resilience and aesthetics need to work together.

All Fortis Compact panels feature decorative surface on both sides as standard. The core is black, and the surfaces are available in a range of textures.

Layer Breakdown

Fortis Compact is built from several layers, each contributing to its strength, appearance, and long-term performance.

Overlay Protective Layer

A clear, high-performance impregnated paper that forms the top surface. This invisible layer provides excellent resistance to wear, scratches, and everyday impact.

Decorative Layer

Printed paper impregnated with melamine resin. This is the visible design layer — available in timber looks, stone patterns, solid colours, or custom designs.

Core Paper

A dense, high-hardness kraft paper impregnated with phenolic resin. This forms the structural core, giving Fortis Compact its rigidity, strength, and stability.

Storing and Transport

- Store Fortis Compact on a flat, firm and stable surface.
- The storage surface must be larger than the laminate sheet.
- Place the top sheet in the stack with the decorative side facing down and cover it with a protective board.
- Ensure there is no dirt or debris between sheets to prevent surface scratching.
- Individual sheets may be rolled with the decorative side facing inward.
- Store panels indoors in a closed, roofed space protected from moisture and humidity.
- Handle and transport sheets carefully to avoid edge damage, bending or surface scratches.

Room temperature and humidity play an important role in how Compact Laminate behaves, as both factors can influence slight linear dimensional changes.

For best results, the material should be stored and processed in stable conditions, ideally at 18–22°C with an air humidity of 50–60%.

The environment in which the panels are kept, both during storage and during fabrication, directly affects gluing performance and overall processing quality, so maintaining consistent conditions is essential.

Processing

The top surface of Fortis Compact is made using high-quality melamine resins, giving the panel a firm, durable finish. For best results, all processing should be carried out on a stable, flat and even surface. Cracks, breaks or bumps on the decorative side are typically caused by incorrect handling, improper processing techniques or the use of unsuitable tools, so the panel should always be positioned decorative side up and kept steady during cutting.

Standard woodworking tools are suitable for machining Fortis Compact, including:

- Circular bench saws
- Panel saws
- Jigsaws.

Always follow the tool manufacturer's operating guidelines. The quality of the finished edge depends on several factors: the shape and number of teeth on the blade, the cutting speed and the feed speed used during processing.

Cleaning Recommendations

For unknown stains, start to clean the surface with hot water and a soft sponge, cloth or nylon brush, taking care not to scrub aggressively.

For a more stubborn stain, use solvents and follow all safety precautions, ensure good ventilation and keep away from open flames. All cleaning agents must be thoroughly rinsed off with plenty of clean hot water to prevent streaking.

Finish by drying the surface with an absorbent cloth or paper towel.