



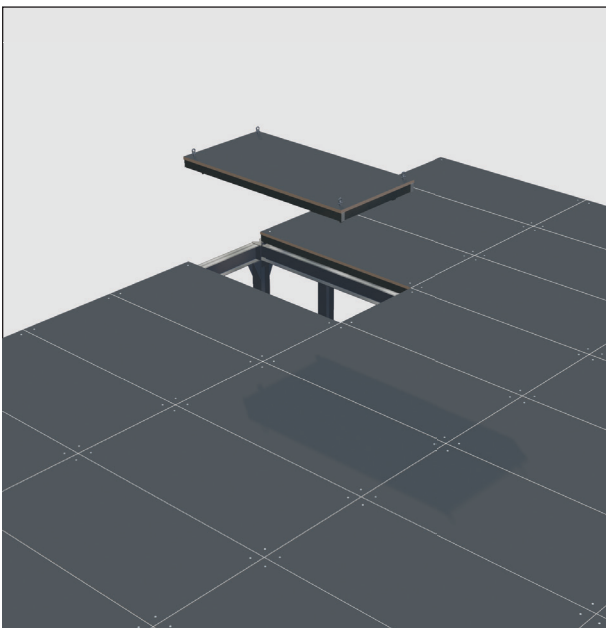
Black T MTS 35

Black T MTS 35 is a precision-engineered, modular trap system designed for the construction of fully trappable stage floors. Manufactured from 35mm phenol coated stage-grade birch plywood, this innovative stage panel system is designed to be used with a steel frame to create a trappable stage floor.

Black T MTS 35 is produced from high-performance stage-grade birch plywood selected for strength, consistency, and dimensional stability. Components are digitally modelled and manufactured off-site using advanced CAD/CAM processes and CNC machining, ensuring exceptional accuracy and significantly reducing on-site installation time compared with conventional stage construction methods.

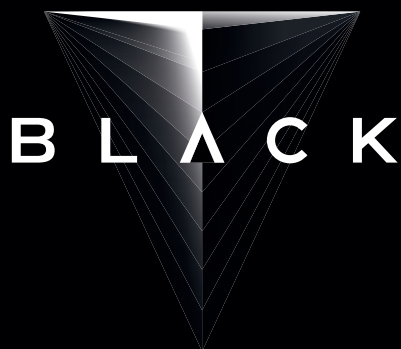
Standard panel dimensions are 2400mm x 1200mm, with custom sizes and thicknesses available on request. Panels are installed directly onto primary or secondary stage structures, whether steel or timber, with an acoustic isolation layer positioned between the support structure and floor system.

Black T MTS 35 is suitable for theatres, opera houses, performing arts venues, concert halls, and other specialist performance environments where flexibility, durability, and future adaptability of the stage floor are essential.



Key Benefits

- ✓ Manufactured from high-strength stage-grade birch plywood for excellent structural performance and dimensional stability.
- ✓ Compatible with a range of specified surface finishes to satisfy project-specific aesthetic, performance, and sustainability requirements.
- ✓ Available as standard in 2400mm x 1200mm panel sizes with nominal thicknesses of 35mm.
- ✓ Custom panel configurations and dimensions are available to suit individual project requirements.
- ✓ CNC-machined from digital production files to a manufacturing tolerance of $\pm 0.15\text{mm}$.
- ✓ Off-site prefabrication minimises site labour requirements and accelerates installation programmes.
- ✓ Modular construction allows future reconfiguration of trap layouts, access openings, service penetrations, and sacrificial floor sections.
- ✓ Panels may be supplied pre-drilled and prepared for direct fixing to the supporting structure.
- ✓ Individual panels can be removed and replaced quickly with minimal disruption.
- ✓ Manufactured using bio-based lignin adhesive and responsibly sourced timber certified to PEFC and FSC standards, compliant with EN 204 requirements.
- ✓ Optional integrated lifting and handling points can be incorporated into panel designs.
- ✓ Uniformly Distributed Load (UDL): $>10 \text{ kN/m}^2$.
- ✓ Point Load Capacity: $>3.6 \text{ kN}$.
- ✓ Structural performance assessed in accordance with BS EN 1991-1.



Precision engineered performance

The future of stage building starts here

Black T design, engineer and install next-generation stage flooring systems for the world's most demanding performance spaces. It is our single focus, and our specialists have few equals.

The name is new. The reputations behind it are not. We bring decades of experience working alongside the biggest names in stage flooring, in theatres and opera houses across Europe, the United States, Australia and Asia.

We work globally, but every relationship is personal. We understand our clients' needs because we are part of their world, combining technical precision, practical insight and a passion for performance in every project we take on.

Black T designs, manufactures and installs high performance stage flooring systems. Every system is designed using advanced CAD software and precision manufactured off-site, reducing the number of components, simplifying installation and ensuring exceptional quality and accuracy.

This approach significantly reduces installation time, minimises disruption, lowers project risk and helps avoid costly downtime.

Black T delivers fully integrated turnkey solutions tailored to the specific requirements of each venue. Working closely with architects, consultants, principal contractors and venue operators, we provide expert advice and technical support throughout every stage of the project.

The result is a stage floor engineered to deliver exceptional durability, reliable long-term performance and the flexibility to meet the evolving demands of today's performance spaces.



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