

Onboard

Partition Walls Since 1965

MADE IN ITALY



It was in 1965 that Ferlegno began its journey on the outskirts of Milan: a small workshop of ideas, where architects and designers found a trusted partner to help bring their visions to life, at that time still small-scale projects. Even then, collaboration with leading design firms translated into practical support throughout every stage, from concept design and space planning through to final execution.

Over time, thanks to the vision of the Di Bartolo Family and the Shareholders, that workshop grew and developed new ways of interpreting space, transforming every partition wall, cladding solution, and bespoke furnishing into the expression of a long-standing craftsmanship that continues to evolve over time. This journey led the company to increasingly establish itself as a comprehensive partner, capable of supporting each project through every phase with an integrated and fully informed approach.

The tradition of Made in Italy is combined with the most advanced industrial technologies, bringing together quality, creativity, and durability in every detail. Supporting this vision, the Research and Development division designs, engineers, and oversees every solution, transforming design concepts into tangible, reliable, and continuously evolving systems.

Today, this spirit lives on in the “modern workshop”: the Factory. Here, concepts take shape, ideas become reality, and architectural ingenuity meets materiality. It is a space for dialogue and collaboration, where every project is crafted with care, environmental responsibility, and genuine passion. A place where the journey does not end with production: Ferlegno also directly manages the installation phase, ensuring certified execution quality and a prompt after-sales service.

Model
DBL51



Ferlegno presents the new DBL51 line, a partition wall system that embodies the manifesto of over sixty years of experience, research, and continuous dialogue with the world of design, whose name pays tribute to the founding partner Di Bartolo Lorenzo.

This solution, developed within the research and development department, represents the perfect synthesis between listening to designers' needs and the collection of valuable data derived from multiple field collaborations.

The core of the project lies in a concrete response to the growing demand for acoustic performance: much of the technological innovation has in fact been concealed "under the skin" of the wall, working on the behaviour of the glass elements to optimize insulation without compromising aesthetics. The result is a system that achieves a unique formal cleanliness, where essential lines and transparency become the absolute protagonists.

Attention to detail finds its highest expression in the door system, which integrates seamlessly into the structure through hinges and handle blocks machined from solid material: a high-end manufacturing choice that allows reduced thicknesses while simultaneously offering adjustment systems that are unique in its category. A product that encapsulates all the reliability and experience gained over sixty years of partition wall systems.



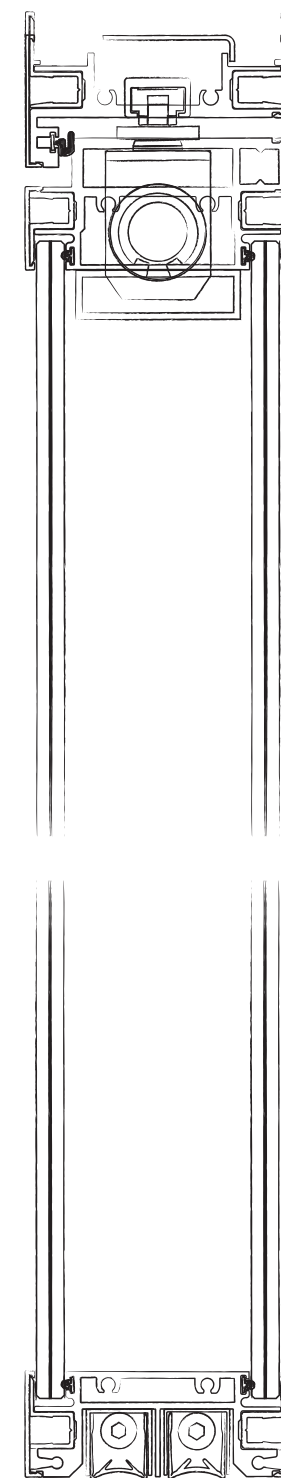
Model DBL51

The DBL51 glazed partition wall system is distinguished by a pursuit of regularity in its lines and by a rigorous management of alignments, aimed at giving the product a rational and contemporary image. This formal cleanliness stems from the use of reduced-section extruded aluminum profiles and from a design approach that ensures visual continuity between the frame cross member and the wall track.

From a structural standpoint, the profile configuration allows for the spacing of the glass panels while keeping the overall section unchanged: a technical solution that enhances the flatness between the glazed surfaces and the load-bearing structure. Within this design balance, the door does not represent an element of discontinuity but is integrated into the system as a complementary component, respecting the predefined compositional rhythm without altering it.

The result is an architectural furnishing element that does not merely divide spaces but defines and enhances them, allowing technical complexity to translate into an aesthetic harmony based on order, light, and visual continuity.







The system consists of a structural track in EN AW 6060 aluminum alloy, mechanically fixed to the support with the interposition of a sound-damping neoprene layer, in order to reduce acoustic bridges caused by irregularities in the substrates.

DBL51 integrates an exclusive system with a concealed continuous glazing bead, mechanically fixed to the structural profile and equipped with neoprene layers of different densities and thicknesses, which optimize the acoustic performance of the system while also allowing the replacement of a single glazed module.

The finish is achieved through the application of EN AW 6060 aluminum alloy profiles, with a surface that can be customized according to customer requirements, snap-fitted onto the continuous glazing bead. This solution allows the exclusive replacement of the aesthetic finish, without dismantling the entire wall in the event of external damage, reducing maintenance and restoration costs and providing versatility and ease of management throughout the entire lifecycle of the partition wall system.

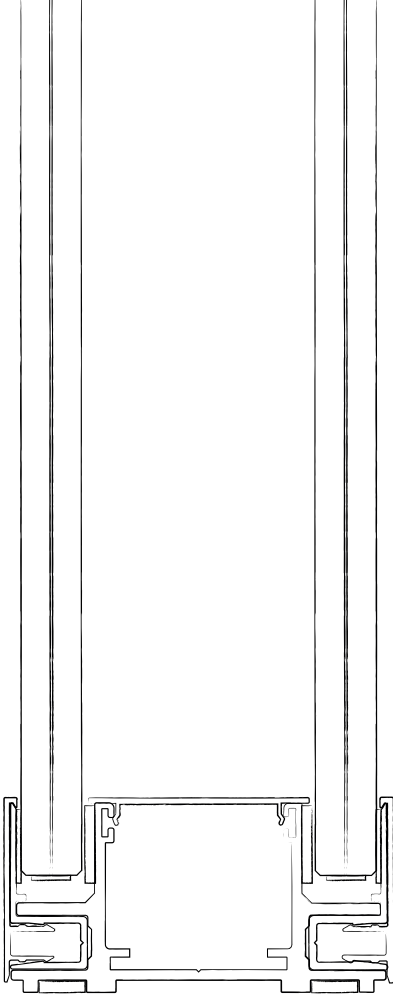
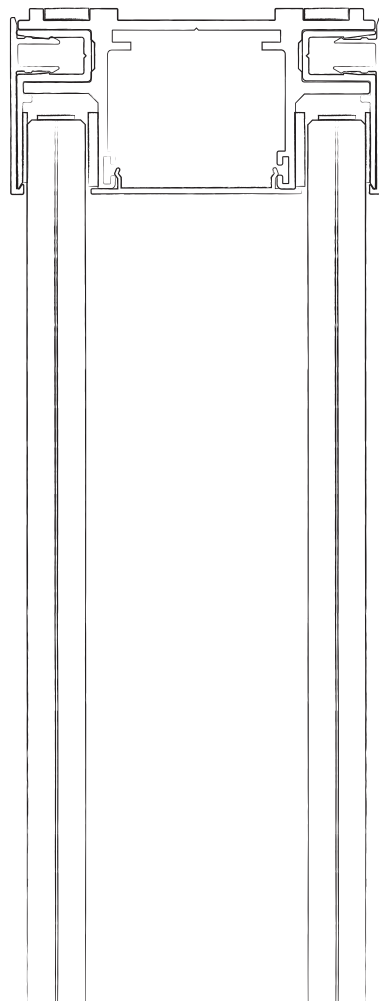
The transparent surface is made of safety laminated glass panels on both sides, each consisting of two 6 mm glass sheets with acoustic PVB interlayer, for a total thickness of 12.5 mm. Visual continuity between modules is ensured by joining the panes using 3M VBH 4910F structural double-sided tape, which eliminates the need for intermediate vertical mullions. The overall system ensures a certified sound reduction of 51 dB (Rw), tested in accredited laboratories according to UNI EN ISO 10140:2021 standards.

Full interchangeability between glazed modules and opaque panels is provided, allowing the creation of service cavities or solid partitions. This operation can be carried out without any modification to profiles or thicknesses, thanks to the use of dedicated separation profiles between the different finishes.

The framed glazed door, available in full-height or with overpanel version, has a total thickness of 80 mm, flush with the wall thickness, and is made of extruded aluminum profiles in EN AW 6060 alloy, integrated into the DBL51 glazed partition wall system.

Both frame and leaf adopt the same construction system as the fixed sections, with continuous glazing bead and reduced thicknesses, in order to ensure maximum transparency. The height of the upper cross member corresponds to the thickness of the aluminum track, ensuring alignment between the door module and the glazed or solid partitions.

The finish is achieved through the application of ENAW 6060 aluminum alloy profiles, with a surface that can be customized according to customer requirements, snap-fitted onto the door leaf frame and jamb. This solution allows the exclusive replacement of the aesthetic finish in the most impact-prone front areas, without the need to replace the entire leaf or frame, providing versatility and ease of maintenance for the door modules throughout their entire lifecycle. The door leaf is made of safety laminated glass panels on both sides, each consisting of two 4 mm glass sheets with acoustic PVB interlayer, for a total thickness of 8.5 mm.



Upon request, the glass panels can be replaced with a double 18 mm opaque panel, available in the various finishes of our colour range.

The leaf is completed by special solid-machined hinges, with no visible fixings, featuring an integrated frame-to-leaf system and an exclusive three-axis adjustment capability.

This allows micro-adjustments to be carried out even after installation of the door leaf, compensating for any misalignment between the door and the floor or ceiling throughout the entire lifecycle of the module.

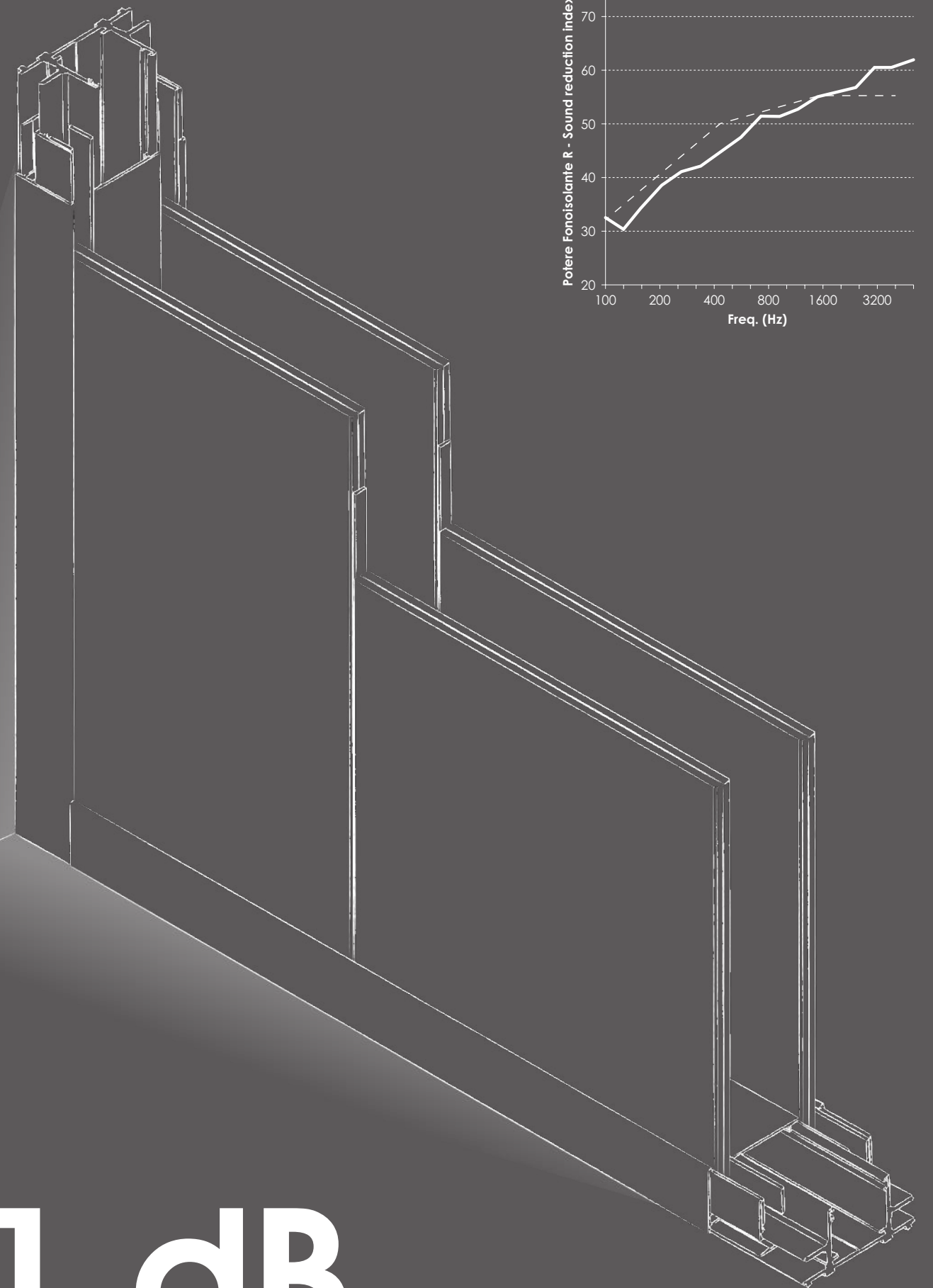
The handle block, also machined from solid aluminum, ensures stability and long-term durability while offering wide customization options depending on the required accessories. The door is also equipped with a Yale-type cylinder lock and a Fimet "Musa" handle, available in satin chrome finish or customizable according to the catalogue, with the option to coordinate the handle colour with that of the wall profiles.

The leaf is fitted with a double integrated acoustic drop seal system housed in the lower threshold, while the door's functionality can be further enhanced with the installation of an overhead door closer integrated into the upper profiles.

The door module ensures a certified sound reduction of 40 dB (Rw), tested in accredited laboratories according to UNI EN ISO 10140:2021 standards.



51 dB



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