

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 AIR



Air is the result of an ambitious project born in 2021, during the Covid period. In that suspended and reflective time, the decision was made to bring together the creativity of established designers with the expertise of the Research and Development department of Ferlegno, aiming for a high-end product characterized by absolute linearity.

The character of Air lies in its ability to embody lightness. It is a partition wall designed for those seeking a clean, uncompromising design, where every superfluous element disappears to enhance the purity of the forms.

The aesthetics of the system are further enhanced by the choice of flush polished glass, brought to the exterior of the profile to significantly increase the glazed surface and the brightness of the spaces. The partition wall can also be enhanced with integrated lighting signatures in the light slots and with booking and information displays elegantly positioned between the glass panels, all conveniently managed via WiFi technology.

The main innovation is contained in the swinging system: thanks to Ferlegno's know-how, traditional sliding mechanisms, often visible within the profiles, have been overcome. In Air, the door closer is completely concealed and integrated into the system, a unique technical detail that preserves the integrity of the design.

The result is a perfect synthesis for those who demand extremely high technical precision expressed through an essential and silent aesthetic. Air is Ferlegno's partition wall dedicated to those who want technology, but choose design.



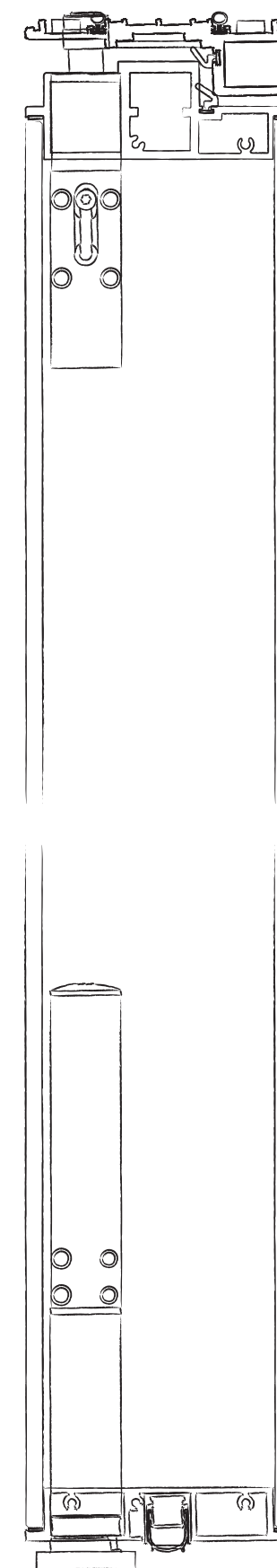
Model AIR

AIR is designed to offer great flexibility in terms of configuration and finishes.

It allows the creation of corners and three- or four-way junctions, enabling customised configurations that perfectly adapt to the requirements of the project and the available spaces. It is available with hinged or sliding doors, also allowing the integration of a panic bar.

The floating technical band highlights the glazed surface by reducing the technical appearance and emphasising the aesthetic dimension of a furnishing element with strong character. The possibility of equipping it with lighting switches, climate control thermostats, access control systems, and an LED on the upper section can also be used to indicate the room's occupancy status. When equipped with electrical sockets, it allows wiring to be routed to any point of the partition wall.







The Air mobile partition system is defined by a double-track structure in EN AW-6060 aluminium alloy, with differentiated sections of 95x40 mm and 71x40 mm, designed to ensure a finished thickness of 100 mm and a certified sound reduction of 45 dB (Rw), in accordance with UNI EN ISO 10140:2021. The mechanical fastening of the extrusion to the support is achieved through the interposition of a decoupling layer in neoprene, a technical solution necessary to limit acoustic bridges caused by irregularities in the installation surfaces.

The complex system of telescopic guides with internal sliding allows a height adjustment of ± 10 mm, ensuring compensation for structural unevenness; pneumatic and acoustic sealing in these joint areas is guaranteed by polyurethane foam-coated gaskets.

The transparent sections are made of 12.5 mm laminated safety glass (composed of two 6 mm panes with an acoustic PVB interlayer), fixed by structural bonding to an aluminium matrix coupled with the upper and lower base elements using polypropylene clips.

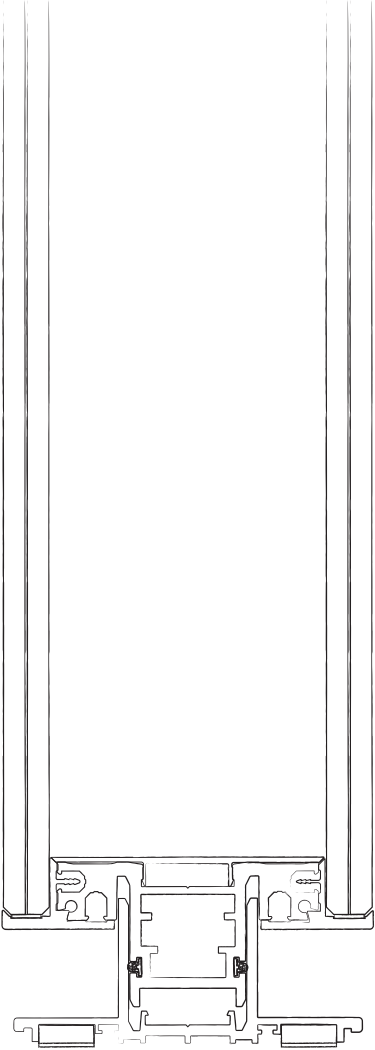
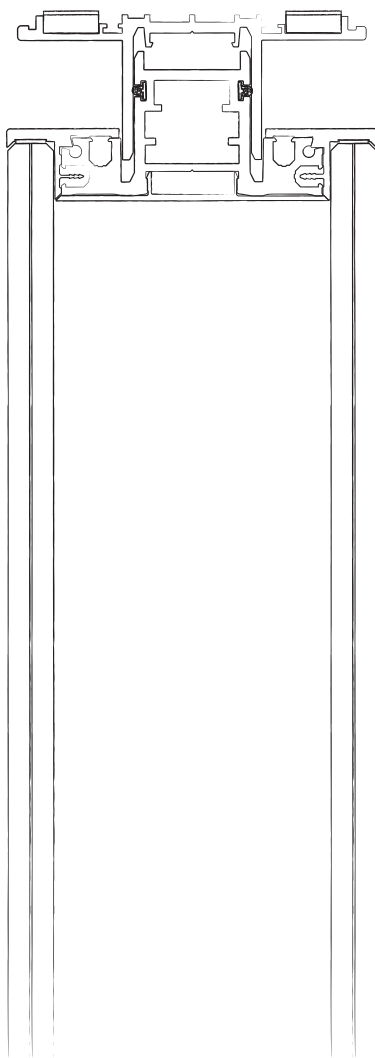
This configuration eliminates traditional glass retainers, leaving the entire glass surface visible and minimising the visual impact of the metal profiles.

Visual continuity between modules is ensured by joining the glass panels using 3M VBH 4910F structural double-sided adhesive, which eliminates the need for intermediate vertical mullions and allows for the possible interchangeability of individual glass panels.

Along the entire perimeter and on the door mullion there is a distinctive 25x28 mm shadow gap, which serves a regulatory function and is designed to house an integrated LED light signature. As an alternative to the glazed version, the specification includes the integration of solid panels made of 18 mm melamine-faced particle board, with a cavity filled with a 30 mm layer of acoustic insulation material, in order to maintain sound-insulating performance.

The door module integrates into the system with a 100x95 mm section in EN AW-6060 alloy, maintaining the 25x25 mm adjustment shadow gap. The leaf is made of 100x35 mm extrusions with 6 mm tempered glass, with exposed edges and structural bonding.

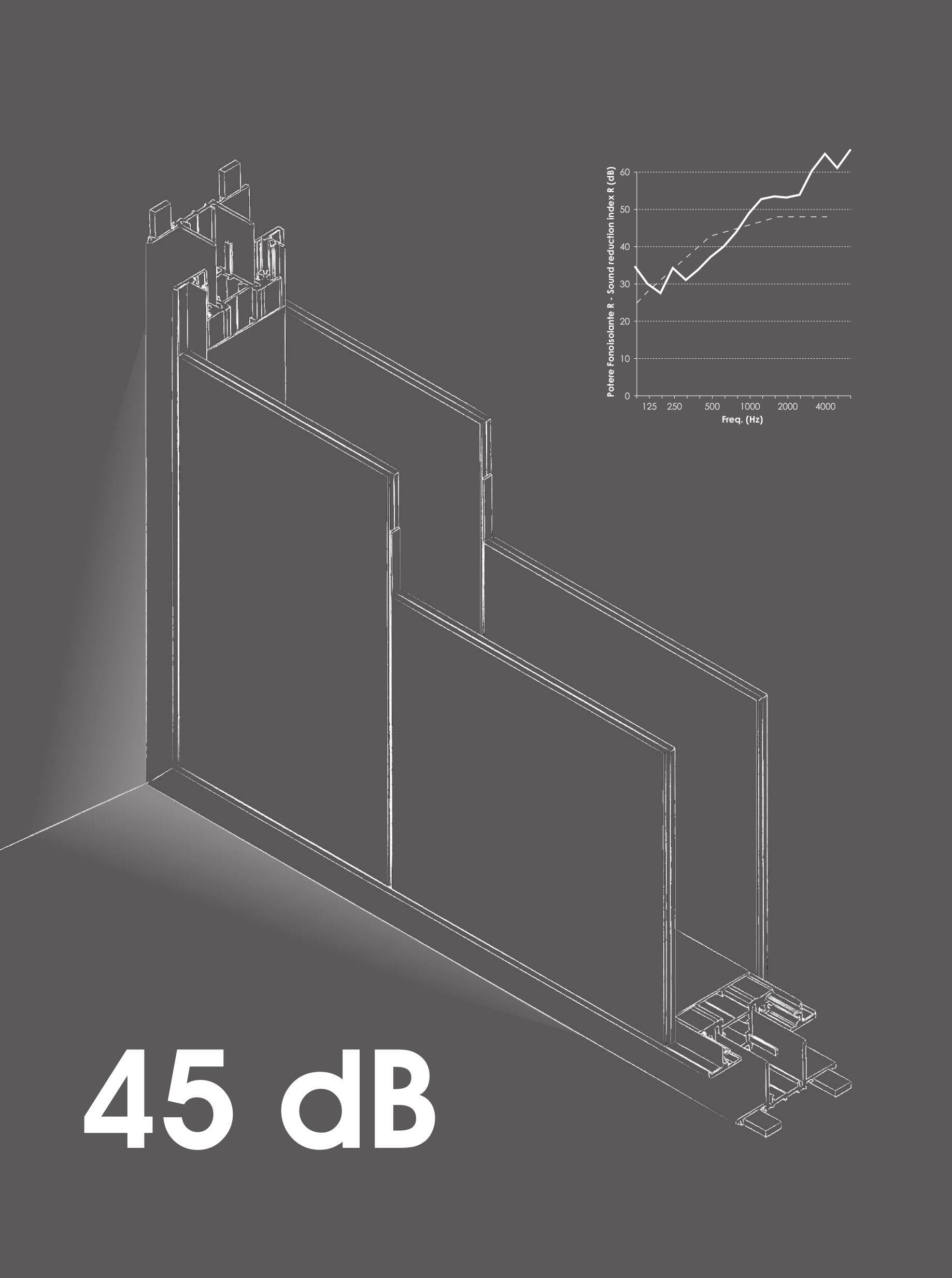
To ensure uninterrupted insulation without visual breaks, the system adopts a double acoustic guillotine seal (top and bottom) and a concealed hydraulic hinge integrated into the door profile, featuring a 90-degree stop and a handle locking system integrated directly into the frame.



The Air system allows the integration of customizable sunshade systems, designed to specification and installed directly between the glass panes, moving beyond the traditional concept of adhesive films to provide visual screening that elegantly furnishes spaces while dynamically protecting privacy.

For meeting rooms, the design goes beyond pure aesthetics thanks to booking systems, also integrated between the glass panels, with a specific suspended mounting solution that allows the installation of screens configurable both via Wi-Fi and network connection, enabling smooth and digital management of workflow processes.

The formal clarity of the entire structure is ensured by the possibility of installing dedicated touch switches for the management of multiple lighting controls, specifically designed to disappear within the wall shadow gap, thus maintaining an extremely linear and modern visual profile.



Ferlegno Srl
Via A. Bizzozzero, 95
20032 Cormano (MI)

preventiviferlegno@coiver.it | coiver.it

a Coiver Group Company