

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 NATURAL



The Natural line was born from an ambitious challenge: introducing a “living” and authentic material such as wood into the partition wall sector, which had until then been exclusively dominated by aluminium.

In 2014, in response to this specific market demand, Ferlegno had the opportunity to combine its two historical identities — traditional carpentry and partition wall system design — by studying the application of laminated oak as an alternative to metal. The direct result of this synthesis was the Natural collection.

In this system, natural wood becomes the absolute protagonist, sharing the stage with the transparency of glass and transforming the technical partition into a true interior design element. Each profile is a unique piece that tells the story of the raw material it comes from; within the same system, every element is both consistent and one-of-a-kind, giving spaces a warm and organic aesthetic.

Structural stability is ensured by the use of laminated construction, which guarantees millimetric precision and long-term resistance to deformation, while also allowing the integration of different types of doors. Thanks to the natural malleability of wood and the craftsmanship of master carpenters, the Natural line proves to be highly customizable, offering designers the freedom to shape space with the warmth that only a living material can convey.



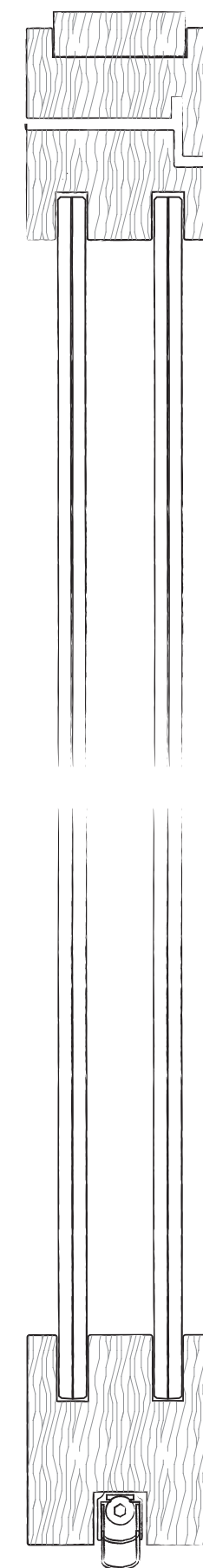
Model NATURAL

The Ferlegno Natural partition wall is characterized by the use of solid oak in the composition of its profiles. Ferlegno selects Arctic oak boards, distinguished by a light tone and a delicate grain, personally overseeing all stages of production and bonding of the laminated base profile.

Particular attention is given to the use of continuous layers, without interruptions or butt joints: the profile is made of two or three oak layers, depending on the section. This configuration provides high stability, preventing future deformation and compensating for the inevitable irregularities of solid wood.

This results in a base section of 78x80 mm in three-layer laminated wood, which is subsequently processed to obtain all the profiles of the Natural line, with the exception of the door leaf profile, which is produced from a two-layer laminated element with a 40x40 mm section.







A wooden spacer, pre-assembled with a decoupling layer, is placed between the guides and the wall perimeter and housed in a dedicated groove carved into the solid wood: this creates a characteristic shadow gap, designed to compensate for irregularities in the installation surfaces and to facilitate the installation of the system.

Special milling operations are made in the solid wood to accommodate the glass panels, allowing a height adjustment of ± 10 mm, ideal for easily compensating floor-to-ceiling level differences and speeding up installation phases.

The Natural wall has been designed to be produced both in a single-glazed and double-glazed version, depending on the specific profiling of the section; maintaining the same aesthetic and formal parameters of the sections ensures full visual continuity when alternating between the two solutions, thus meeting different acoustic requirements and client needs without altering design uniformity.

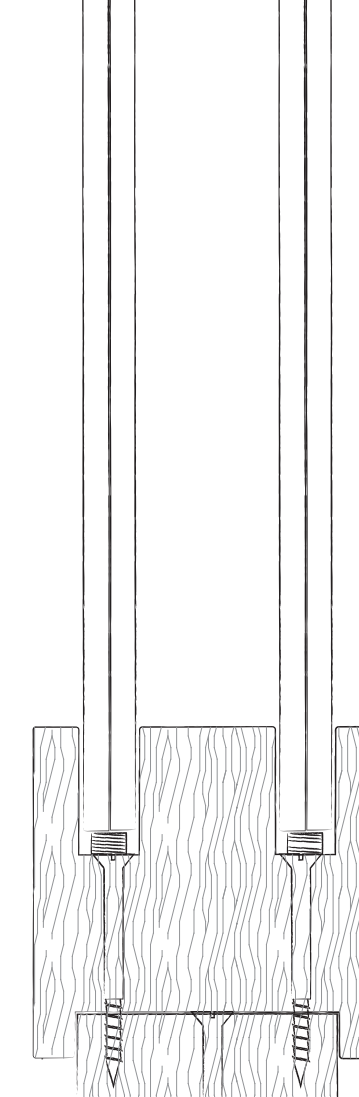
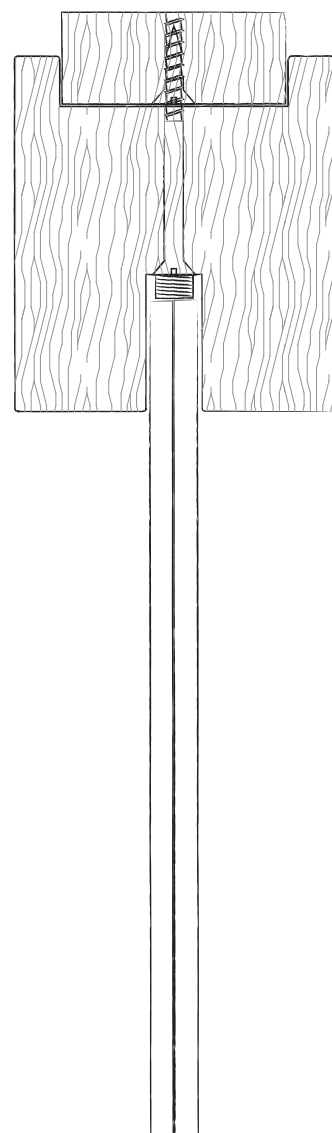
The same sections form the door frame uprights, offering wide integration possibilities for different opening systems through the insertion of frames fully compatible with the uprights themselves. This modularity allows the door module to be replaced without dismantling the adjacent fixed sections, ensuring maximum flexibility in space configuration and facilitating future layout reconfigurations over time.

The sound insulation performance, tested in accredited laboratories in accordance with UNI EN ISO 10140:2021, offers different solutions ranging from 39 dB for the single-glazed version to 46 dB for the double-glazed version, using 6+6 mm glass with acoustic PVB, joined with 3M structural double-sided adhesive to ensure a continuous surface; installation is completed with sealing using crystal silicone along the perimeter, allowing the possible replacement of even a single glass pane.

Alternatively, the glass panels can be replaced with solid infill panels made of a double 18 mm melamine-faced or veneered particle board; in this configuration, the cavity is filled with a 30 mm acoustic insulating material, ensuring a certified sound reduction of 41 dB or, with an additional inert inner layer, up to 44 dB.

Upon request, all profiles can be treated with fire-retardant paint in order to obtain fire reaction certification according to Euroclass B-s1-d0.

Door leaves can be made of 10 mm structural glass for the single-glazed version or with two 8 mm glass panes for the double-glazed version; alternatively, solid door leaves are available in both configurations, with finishes selectable by the client among lacquered, veneered, or laminated options.



The frame can be manufactured on three or four sides, depending on the level of insulation required for the integration of the acoustic drop-down seal built into the lower baseboard.

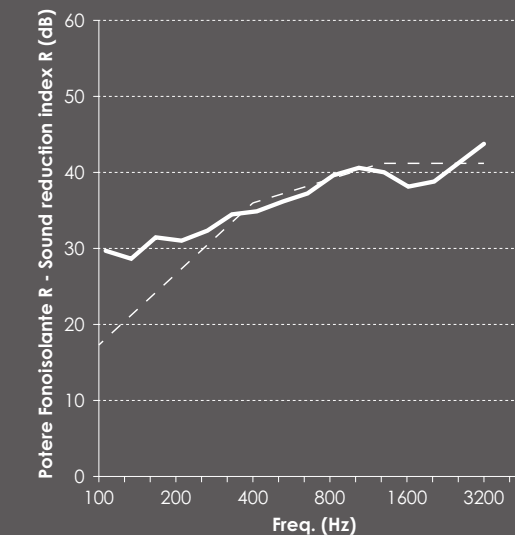
All doors use 3D-adjustable concealed hinges by CEA, combined with an AGB lock with magnetic closing; the handle set can be customized by the client and is offered as standard with a fixed grip or a lever handle.

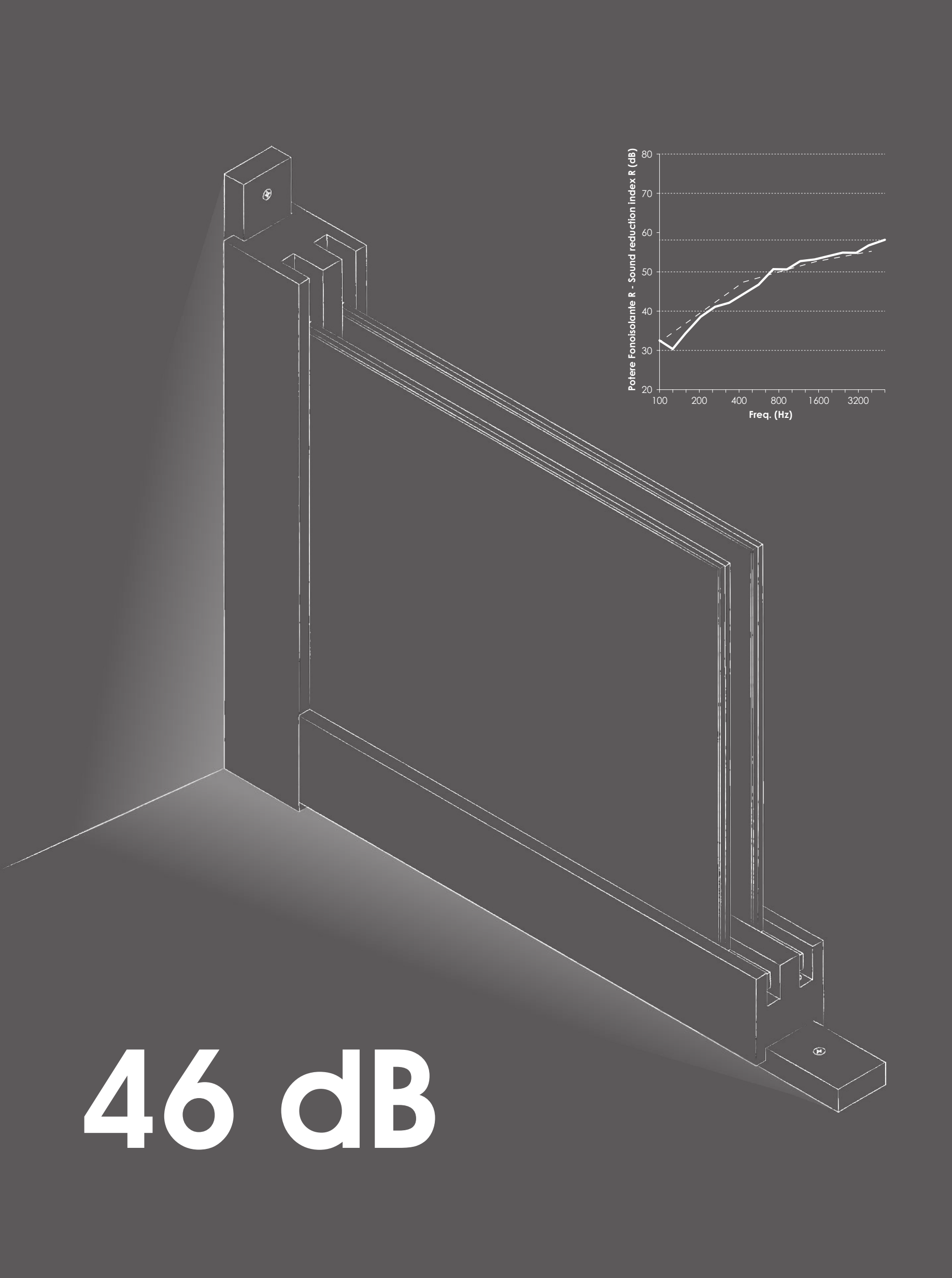
The solid wood processing allows extensive customization: between the door frame and the upright, a channel can be created for cable routing, and push-button micro-controls can be provided for lighting point management.

The system is completed with a dedicated technical panel for the integration of any service terminals, manufactured using the same technology as the solid infill section through a double 19 mm panel, ensuring aesthetic and structural uniformity across the entire composition.



39 dB





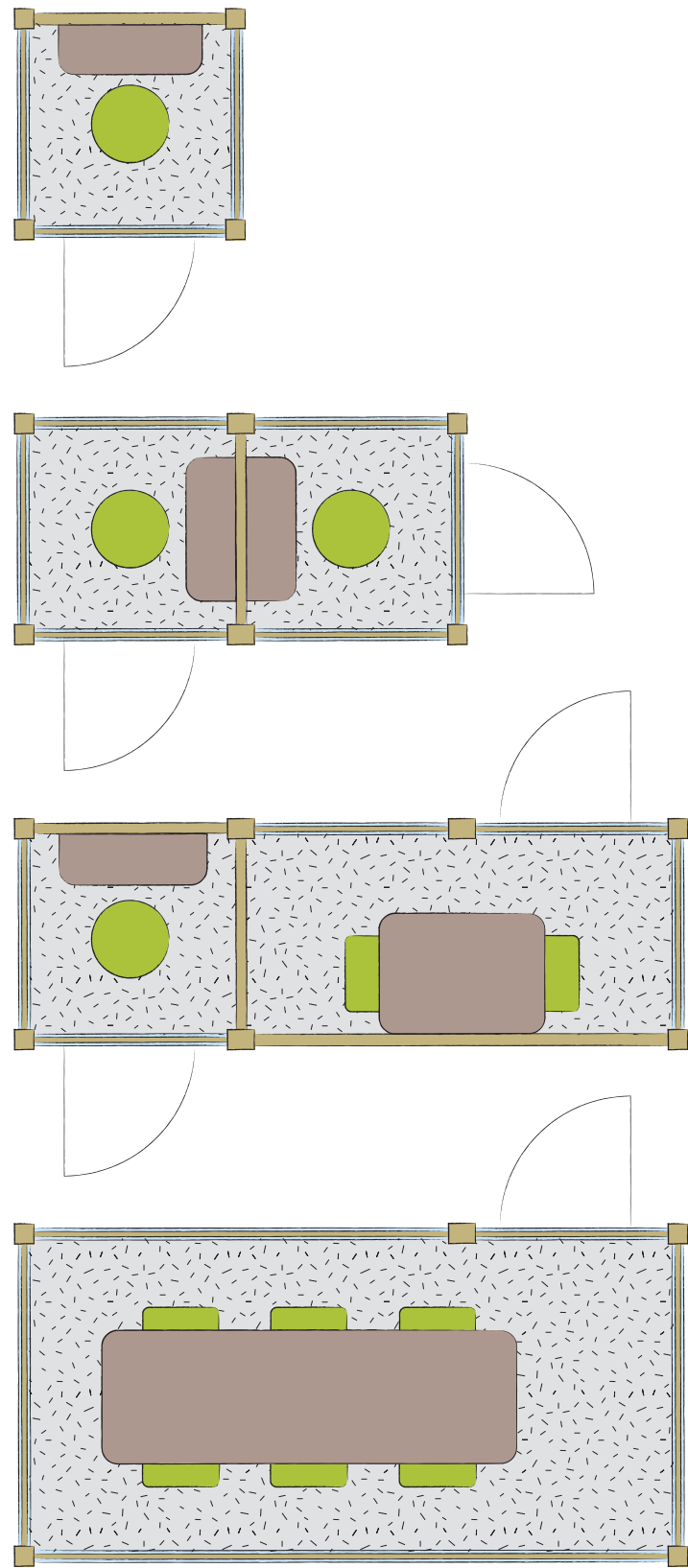
46 dB

Phone BOOTH

The system is based on a self-supporting structure in laminated wood that leverages the mechanical properties of the material to provide a high level of modularity: starting from a single individual module, it allows the configuration of complete meeting rooms, ensuring constant technical and systems integration.



CUSTOMISABLE Configurations



The core of the project is the Natural system with 70×78 mm sections. Thanks to the specific profiling process, the structure can accommodate monoglass, double-glazed, or solid wall versions with melamine or veneered finishes.

Maintaining the same external parameters across the different versions ensures visual continuity even when alternating between glazed and opaque solutions to meet specific acoustic or privacy requirements.

Compared to aluminium systems, the use of wood allows a higher degree of customization and more flexible management of components.

The interior fit-out can be completed with textile or sound-absorbing wall and ceiling coverings, vinyl or textile flooring, and fixed furnishings such as upholstered seating and custom-designed shelves.

All opaque partitions can be equipped and wired through the uprights, facilitating the integration of multimedia systems. Environmental comfort is managed by an air exchange system with dedicated soundless grilles and LED lighting with presence sensors.



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