



We have designed a wallcovering to satisfy any decorative need.

Parqwall®

Appropriate for use on almost any wallcovering application.

Available in many ABET LAMINATI colours and finishes.

Silentwall®

Suitable for applications where acoustic deadening is needed but also valuable for its effective design due to the profiled surface.

Parqwall®



Abet Laminati presents a "new look" called Parqwall®, which incorporates new technical mounting solutions.

The cladding system is available with either vertical or horizontal panels in 16" or 24" widths ($15\ 11/16$ " or $23\ 9/16$ ").

Parqwall® is now available with both visible anodized aluminum joints and fold-away joints, which allow the cladding material to display a completely unbroken surface. Special joints have also been produced, which allow both horizontal and vertical fixing of shelves and coat racks.

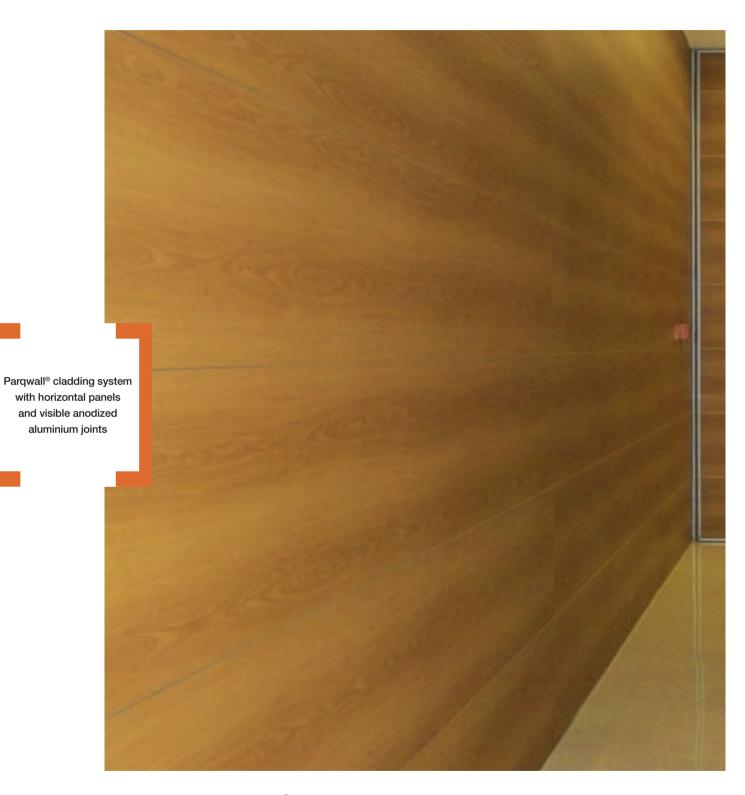
The installation procedure has been made considerably easy with the new profiles. New colours with no required minimum quantity have been added to the range.



The Parqwall® cladding system makes it possible to clad walls of any type and in any condition. It is easy to install and a quick solution to refurbishing problems in rooms for which there are no special restrictions regarding the subsequent use of the premises.



Parqwall®



The Parqwall® system can be installed directly on existing walls if they are sufficiently straight and dry. Should Parqwall® be installed on old, damp or uneven walls, it is recommended to leave a gap between the wall and the Parqwall® system. The Parqwall® system can be installed on vertical or horizontal wood spacers or on a galvanized steel frame.

Parqwall® exhibits the same characteristics as those of a wooden panel, therefore it is important to ensure good ventilation behind the cladding panels.



When building the frame, remember that the Parqwall® panels should be mounted at a distance of at least 5 mm (3/16 in.) from the floor, to enable ventilation of the cavity behind. When cladding particularly damp walls, the Parqwall® panels should finish at a distance of at least 50 mm (1 15/16 in.) from the floor. This will protect the base of the panel from the risk of dampness being absorbed from the floor.



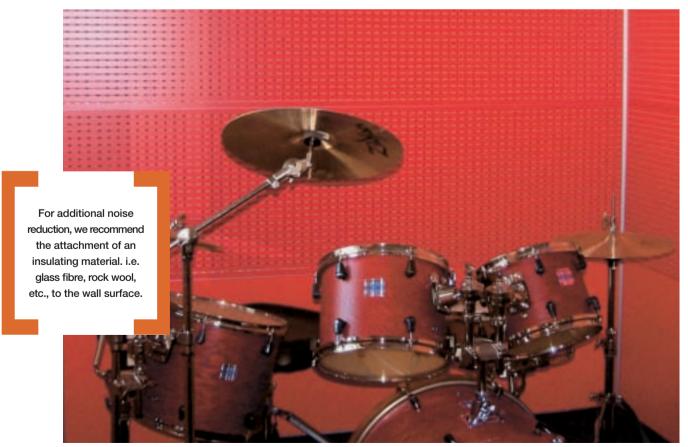
Silentwall®



Silentwall® is a noise reducing component of the modular Parqwall® system.

Silentwall® is designed to absorb noise from highly frequented rooms, which have a high level of background disturbance.





Silentwall® is a noise reducing component of the modular Parqwall® system.

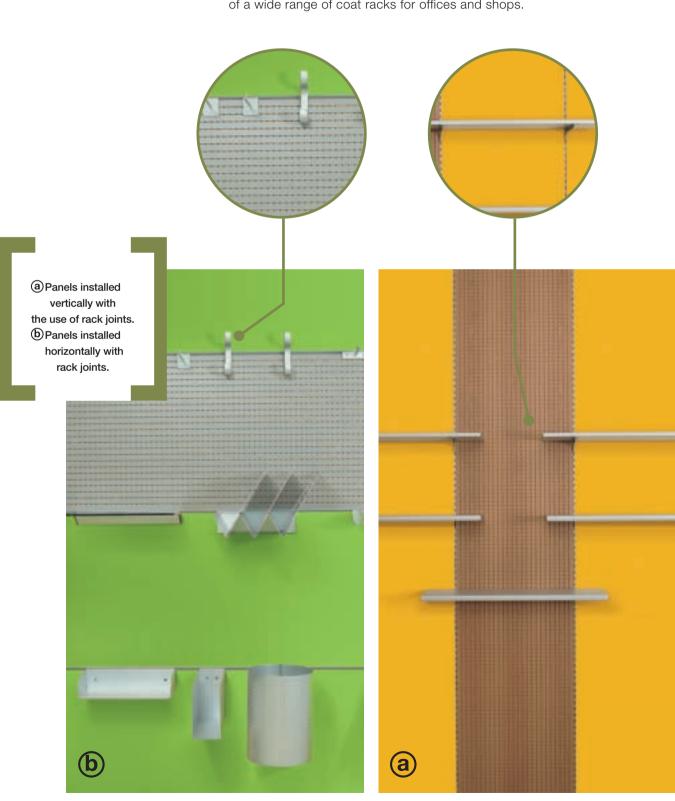


Hanging accesories Parqwall® Silentwall®



Rack joints allow the installation of several types of shelves.

When the panels are fitted horizontally, the use of rack joints allow the installation of a wide range of coat racks for offices and shops.



The special joints allow the installation of shelves and coat racks on the Parqwall® and Silentwall systems.



Architects and interior designers can accomplish their projects without any aesthetic restrictions and with total creative expression. They can create bright, pleasant and very comfortable rooms, even in conditions where the existing architectural structure is particularly run down.

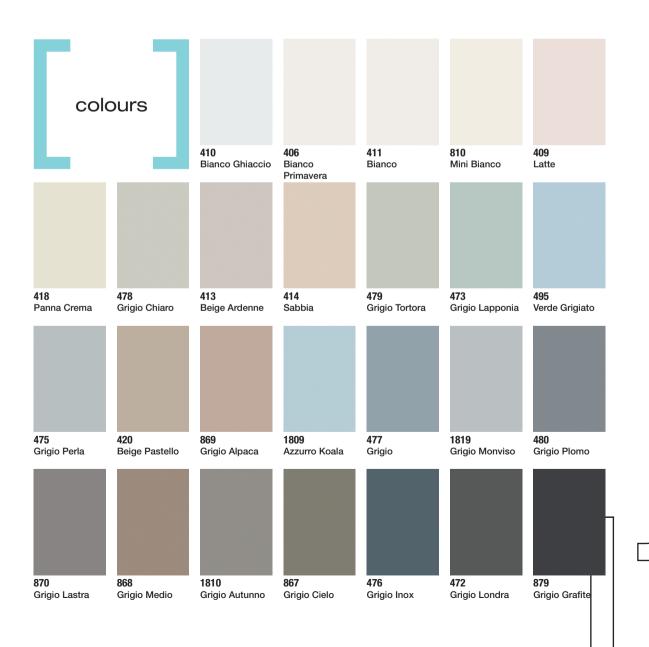
Parqwall® and Silentwall® can be produced without any minimum quantity in the range shown here, designed to fulfill the most demanding market requests. However, it is possible to manufacture the Parqwall® and Silentwall® cladding systems in other colours and patterns offered in the ABET LAMINATI® HPL range.





Parqwall® and Silentwall® are made of Print® high-pressure laminate (HPL) available in an extremely wide range of finishes, colours and wood effects.









colours







Big Blue



Rosa Plumbeo



Blue Ice



Calendula



Lilla Erica



Viola Madras



Viola Giglio



Cresp



Cresp



Cresp



Cresp Due



Cresp Due



Cresp Due



serie cresp





















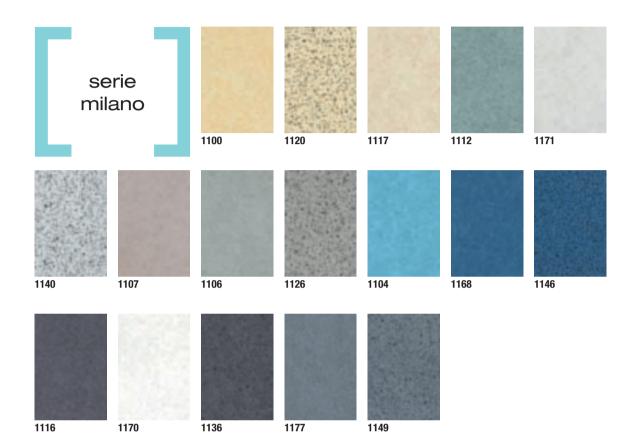


















Pino Savoia Microline



661 Pino Chambery Microline



316 Pino Chambery Microline



1642 Pero Italiano Soft



367 Pero Svizzero Morbida



1637 Pero Marine Soft



1678 Acero Due Morbida



385 Acero Sei Due



1677 Acero Due Soft



Ontano Chiaro Soft



365 Ontano Medio Soft



1618 Noce Rosato Sei Due



362 Noce Torino Morbida



1636 Noce Italiano Morbida



1329 Noce Bossea Morbida



1328 Noce Rigato Morbida



1365 Noce Top Morbida



Noce Roero Sei Due



Noce Crea Morbida



Teak Maldive Morbida



1612 Teak Sumatra Sei Due



321 Teak Asia Sei Due



384 Rovere Toscano Sei Due



Rovere Europa Sei Due

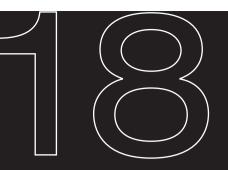


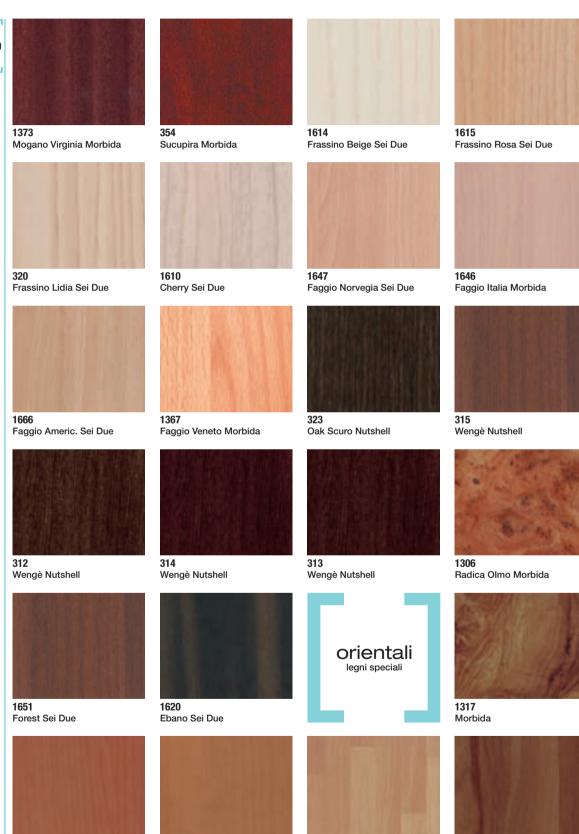
1304

Morbida

1628

Morbida





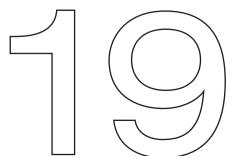
1309

Morbida

1324

Morbida

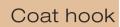




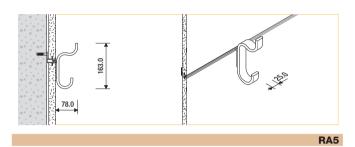
Wall accessories

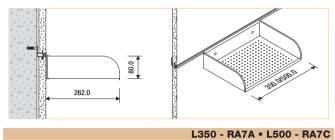


Parqwall® Silentwall®



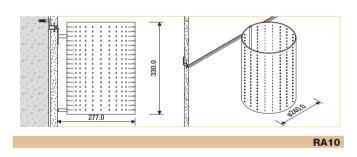
Shelf

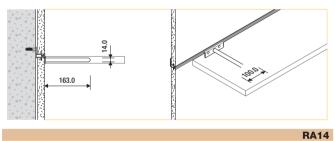




Basket

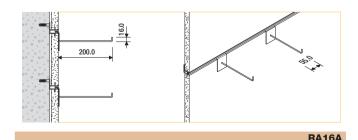
Shelf-pin support

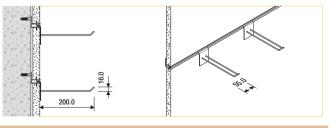




Single blister-pack rack

Double blister-pack rack





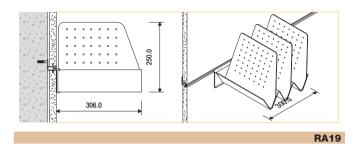
RA16B

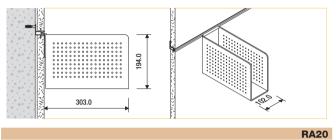
Wall accessories

Parqwall® Silentwall®

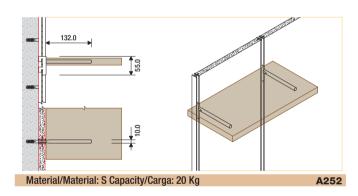
File rack

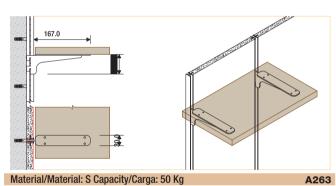
Binder rack box

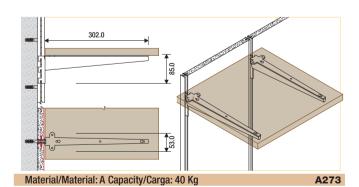


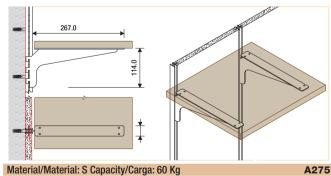


Shelf bracket









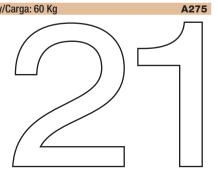


Illustration of profiles

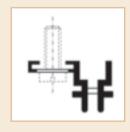
Parqwall® - Silentwall®

Visible profiles

Head or end profile

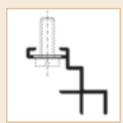
This is used as a starting or end profile on lower, upper and lateral edges.

Special elements



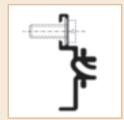
Rack joint

This is used for joining two panels to be fixed vertically and provides the cladding system with supports for shelves and other accessories.



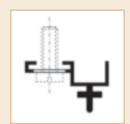
End profile for inside corners

This is used for the realization of inside corners.



Horizontal joint allowing the fixing of shelves and accessories

This joint is used as a connecting element between two panels laid horizontally, and allows the walls to be fitted with shelving supports and other furnishing items.



Two-way joint

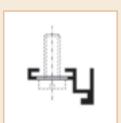
Profile used for joining two panels, both for horizontal and vertical installation.



Click aluminum corner joint with support

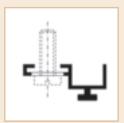
This is used for joining the butt edges of the panels and especially the covering of pillars.

Fold-away profiles



Fold-away profiles

Structural profile which can be used as starting or end profile on lower, upper and lateral edges.



Fold-away two-way joint

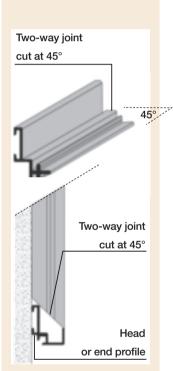
This is used for joining two panels, both for horizontal and vertical installation.

Illustration of profiles

Parqwall® Silentwall®

For the optimal installation it is essential that the wall (or the support and ventilation frame) is absolutely plumb. This will guarantee a perfect finishing to the internal corners and external

edges of the room.



Important: when installing Parqwall® with visible aluminum joints, these must be cut at 45°angle, when they come together.

Panels fitted vertically

■ 1. Base profile (end or fold-away end profile).

Prepare the base horizontal profile by cutting it to the required length. Fix the base profile to the wall (or the support frame) allowing a gap of at least 5 mm (3/16 in.) from floor level: this will enable ventilation of the cavity behind. When cladding particularly damp walls, it is necessary to leave a gap of at least 50 mm (1 15/16 in.) from floor level so as to protect the base of the panel from the risk of water being absorbed by the floor.

Before tightening the fixing screws, check that the profile is absolutely horizontal. Should it not be, adjust the position by using a spirit level and then tighten the screws.

□ 2. Vertical starting profile (end or fold-away end profile, end profile for inside corners – for corners – click aluminium corner joint with support – for edges).

Prepare the vertical profile by cutting it to the required length. Fix the starting end profile to the wall (or the support frame). Before tightening the fixing screws, check that the profile is absolutely vertical. Should it not be, adjust the position and then tighten the screws.

□ 3. Top capping profile (end or fold-away end profile).

Place the horizontal end profile above the end of the panelling. Fix the profile to the wall (or the support frame), and position and tighten the screws only sufficiently to allow them to slide freely in the slotted holes.

□ 4. Panel.

Prepare the first Parqwall® panel by cutting it to the required length and then slide it within the two installed guides.

□ 5. Joint between two panels (two-way joint or rack joint or fold-away joint).

Prepare the first Parqwall® panel by cutting it to the required length and then slide it within the two installed guides.

6. End profile for inside corners.

When the Parqwall® forms an inside angle, install the last panel on the wall, trimmed exactly to the size of the remaining wall, insert it in the end profile for inside corners, leaving the surface with the slotted lots visible, then fix it to the wall or to the support frame.

□ 7. Final panel.

Position the last panel of each wall by trimming it across its width according to the maximum width allowed by the sliding of the end profile.

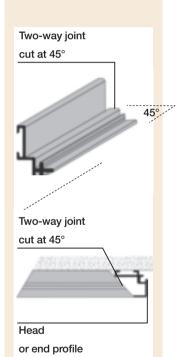
Position the profile and tighten the screws only sufficiently to allow them to slide freely in the slotted holes. Insert the panel into the guides and then fix it into position by sliding the end profile.



Illustration of profiles

Parqwall® Silentwall®

For the optimal installation it is essential that the wall (or the support and ventilation frame) is absolutely plumb. This will guarantee a perfect finishing to the internal corners and external edges of the room.



Important: when installing Parqwall® with visible aluminum joints, these must be cut at 45°angle, when they come together.

Panels fitted horizontally

■ 1. Base profile (end or fold-away end profile).

Prepare the base horizontal profile by cutting it to the required length. Fix the profile to the wall (or the support frame) allowing a gap of at least 5 mm (3/16 in.) from floor level: this will enable ventilation of the cavity behind. When cladding particularly damp walls, it is necessary to leave a gap of at least 50 mm (1 15/16 in.) from floor level so as to protect the base of the panel from the risk of water being absorbed by the floor. Before tightening the fixing screws, check that the profile is absolutely horizontal. Should it not be, adjust the position by using a spirit level and then tighten the screws.

□ 2. Vertical starting profile (end or fold-away end profile, end profile for inside corners – for corners - click aluminium corner joint with support – for edges).

Prepare the vertical profile by cutting it to the required length. Fix the starting end profile to the wall (or the support frame). Before tightening the fixing screws, check that the profile is absolutely vertical. Should it not be, adjust the position and then tighten the screws.

□ 3. Top capping profile (end or fold-away end profile).

Place the end profile above the end of the panelling. Fix the profile to the wall (or the support frame), and position and tighten the screws only sufficiently to allow them to slide freely in the slotted holes.

□ 4. Panel.

Prepare the first panel by cutting it to the required length and then slide it within the two installed guides

□ 5. Joint between two panels (two-way joint or rack joint or fold-away joint).

Prepare the joint by cutting it to the required length. Insert the joint in the installed panel slot in such a way that the surface with the slotted holes is visible. Fix the joint to the wall (or the support frame). Then position the next panel to engage the slot on the installed profile.

□ 6. Head joint between two panels (two-way joint or fold-away joint).

Prepare the joint by cutting it according to the width of the panel. Insert the joint in the installed panel slot in such a way that the surface with the slotted holes is visible.

7. End profile for inside corners.

When the Parqwall® forms an inside angle, install the last panel on the wall, trimmed exactly to the size of the remaining wall, insert it in the end profile for inside corners, leaving the surface with the slotted lots visible, then fix it to the wall or to the support frame.

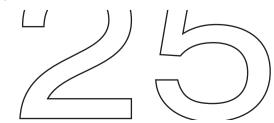


Parqwall® is the material suitable for cladding existing walls, whatever condition they may be in. It is resistant to wear, shock, dampness, fire, acids and light, that is to any surface affecting agents, both internal and external. The Parqwall® cladding system has optimal resistance to fire (UNI 8457 standard, Class 1 – no flame propagation). Parqwall® is manufactured with materials which are completely resistant to any type of microorganisms and is therefore particularly suitable for cladding in hospitals, nurseries, schools and in all places where hygiene is of paramount importance. Although hard and durable, this material recreates the warmth typical of wood and other natural materials. It is also practical, antistatic and does not attract dust. All these features make it particularly suitable for spaces difficult to maintain, for example bars, restaurants, showrooms, doctors' surgery rooms and large spaces in general.

- □ Anti-vandalism. As already mentioned, Parqwall®'s unique characteristic is its extraordinary resistance to scratches, abrasion, shock, chemicals, ink and spray paints. Parqwall® is coated on both sides with a high pressure HPL laminate.
- Anti-stain. Parqwall® is resistant to the most common types of stains (as laid down in the European Standard EN 438) and can be easily cleaned with water and ammonia and, if necessary, with organic solvents.
- Resistance to dampness. The special installation technique and the physical and chemical characteristics of its components give the Parqwall® panel surfaces their optimum water repellent qualities and resistance to dampness.
- Sound proofing/insulating. Parqwall® possesses inherent optimum sound proofing/insulating properties, but in order to obtain best performance it is advisable to insert another insulating material between the panels and the wall: glass fibre, rock wool, etc.
- ☐ Thermal insulation. Parqwall® is a thermally insulating material. Its comfort characteristics help to retain heat and reduce heating costs.
- Thermal transmittance.

$$r = \underbrace{0,0080}_{0,16} = 0,05 \underbrace{\text{m2 h °C}}_{\text{Cal}} - 0,0080 = \text{thickness of material in linear meters} \\ - 0,16 = \text{thermal conductivity}$$

- □ Reaction to fire. UNI 8457 standard Class 1 no flame propagation.
- □ Dimensions. The Parqwall® panels are available in the following sizes: 400/600x2400 mm (15 11/16 or 23 9/16 in x 94 8/16 in.) (WxL) for the Printwood range, 400/600x3000 mm (15 11/16 or 23 9/16 in. x 118 2/16 in.) (WxL) for all other ranges. Panels can be installed either horizontally or vertically. The Parqwall® panels are made of high-pressure plastic laminate (HPL) glued to a high density wood fibre core (HDF = High-Density Fiberboard) of approx. 8 mm (5/16 in.) thickness. Each panel is provided with a longitudinal slot on all 4 sides to allow insertion of various profiles.
- □ Joining. The joint between the panels and the wall is made by means of a simple anodized extruded aluminum profile system. The profiles are provided with slotted holes at '500 mm (19 11/16 in.) intervals used to permit each section to be fixed to the wall (or to the supporting and levelling frame behind) by means of screws. The slotted holes make it possible to adjust the level of the panelling and to lock it into position by sliding the end profile, when this is used as a finishing element, both for horizontal and vertical installation.



Silentwall®

Technical features



The values measured show that Silentwall is ideal for absorbing medium to high frequencies, that is for offices, areas of high traffic, conference rooms and theatres.

The above are obtained with the insertion of a 30 mm-thick (1 2/16 in.) polyester sheet insulation between the panel and the wall.

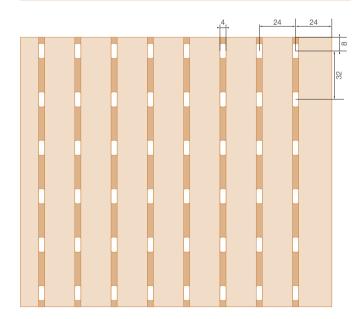
Silentwall® is a noise-reducing development of the modular Parqwall® system. Silentwall® is designed to absorb noises from highly-frequented rooms and with a high level of background disturbance.

Noise reduction is the ability to dissipate acoustic energy, and is expressed as a coefficient (a) indicated with values between 0 (zero noise-reduction) and 1 (total noise reduction).

☐ Test carried out on SILENTWALL® as per UNI EN 20354/93 standard

Test frequency	Average values measured	Reference scale		
	(α)			
100 < HZ > 315	0,28	0 < α < 0,3		
Low frequency		Low noise-reduction		
400 < HZ > 1250	0,73	0,6 < α < 1		
Medium frequency		High noise-reduction		
1600 < HZ > 5000	0,41	0,3 < α < 0,6		
High frequency		Medium noise-reduction		

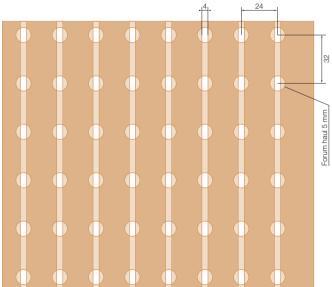
Back of panel dimensions in mm



Dimensional Tolerance +/- 0,2 mm

Panel Dimension: 600x3000 mm

Front of panel dimensions in mm



Dimensional Tolerance +/- 0,2 mm

Panel Dimension: 600x3000 mm

Commercial data

Parqwall® **-** Silentwall®

Commercial data Pargwall®

Range	Total thickness	Weight	Standard	Packaging
Colours and texture, Colours, Serie Cresp, Vertical Line, Decori Minimi, Fiber, Serie Milano, Legni, Serie Orientali, Serie Radiche, Serie Aceri, Printwood, Serigrafia 2000 Digital Print	8,3 ± 0,3 mm (5/16 in.)	Kg/mq 8,2 (1.64 lbs per sq.ft.)	400/600 mm (15 11/16 or 23 9/16 in.) (width) 2400/3000 mm (94 8/16 or 118 2/16 in.) (length)	panels on pallets

Technical specification reference: panels produced from the section of a compound material consisting of an HDF wooden fibre core with an external Print® HPL laminate surface balanced with a Print® HPL laminate.

The panels are also milled along the sides creating a groove suitable for the insertion of the aluminium profiles making up the panel support structure to the wall. The profiles are of silver anodized aluminum and enable the installation of the panels both horizontally and vertically. These profiles can be visible or fold-away.

Commercial data Parqwall® FR

Range	Total thickness	Weight	Standard	Packaging
Colours and texture, Colours, Serie Cresp, Vertical Line, Decori Minimi, Fiber, Serie Milano, Legni, Serie Orientali, Serie Radiche, Serie Aceri, Printwood, Serigrafia 2000 Digital Print	7,9 ± 0,3 mm	Kg/mq 7,7 (1.57 lbs per sq.ft.)	400/600 mm (15 11/16 or 23 9/16 in.) (width) 2400/3000 mm (94 8/16 or 118 2/16 in.) (length)	panels on pallets

Technical specification reference: panels produced from the section of a compound material consisting of an HDF wooden fibre core with an external Print® HPL laminate surface balanced with a Print® HPL laminate.

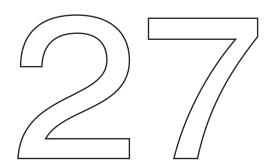
The panels are also milled along the sides creating a groove suitable for the insertion of the aluminium profiles making up the panel support structure to the wall. The profiles are of silver anodized aluminum and enable the installation of the panels both horizontally and vertically. These profiles can be visible or fold-away.

Commercial data Silentwall®

Commordial data Chomwan				
Range	Total thickness	Weight	Standard	Packaging
Colours and texture, Colours, Serie Cresp, Vertical Line, Decori Minimi, Fiber, Serie Milano, Legni, Serie Orientali, Serie Radiche, Serie Aceri, Printwood, Serigrafia 2000 Digital Print	7,9 ± 0,3 mm	Kg/mq 6,5 (1.33 lbs per sq.ft.)	400/600 mm (15 11/16 or 23 9/16 in.) (width) 2400/3000 mm (94 8/16 or 118 2/16 in.) (length)	panels on pallets

Technical specification reference: panels produced from the section of a compound material consisting of an HDF wooden fibre core with an external Print® HPL laminate surface balanced with a Print® HPL laminate.

Noise reduction obtained by milling the panel, parallel to the long side on the back and on the decor(pitch 4/24 mm). This will create a 15% surface perforation with holes radius 6 mm. The panels are also milled along the sides creating a groove suitable for the insertion of the aluminum profiles making up the panel support structure to the wall. The profiles are of silver anodized aluminum and enable the installation of the panels both horizontally and vertically. These profiles can be visible or foldaway.



Technical data

Parqwall® - Silentwall®

Technical data Parqwall®



	Abrasion resistance	Thickness swelling	Scratch resistance	Impact resistance	Stain resistance	Colour resistance to xenon light	Resistance to cigarette burns	Surface electrical resistance	Reaction to fire
Test method	EN 438-2.6	EN 13329 Annex G	EN 438-2.14	EN 438-2.11	EN 438- 2.15	EN 438-2.16	EN 438-2.18	NFPA 99	13501
Criteria and/or unit of measure	Revs	%	(N)	(N)	Grade: groups 1 e 2 groups 3 e 4	Grade	Grade	ohm Ω	Category (class)
Result	IP- revs> 400	8,0	2,5	≥ 22	no alteration	> 6	> 4 no alteration	The material is antistatic	C-s2, d0

Technical data Parqwall® FR

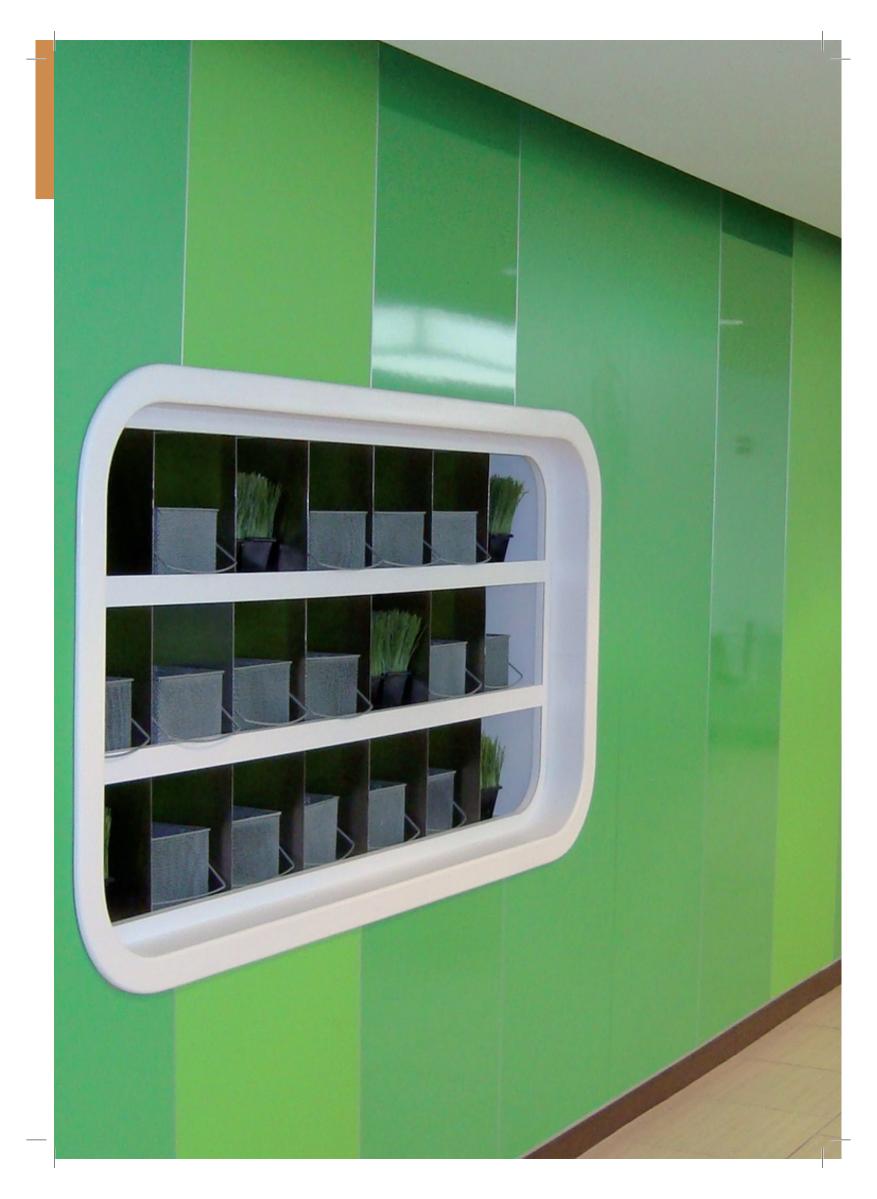


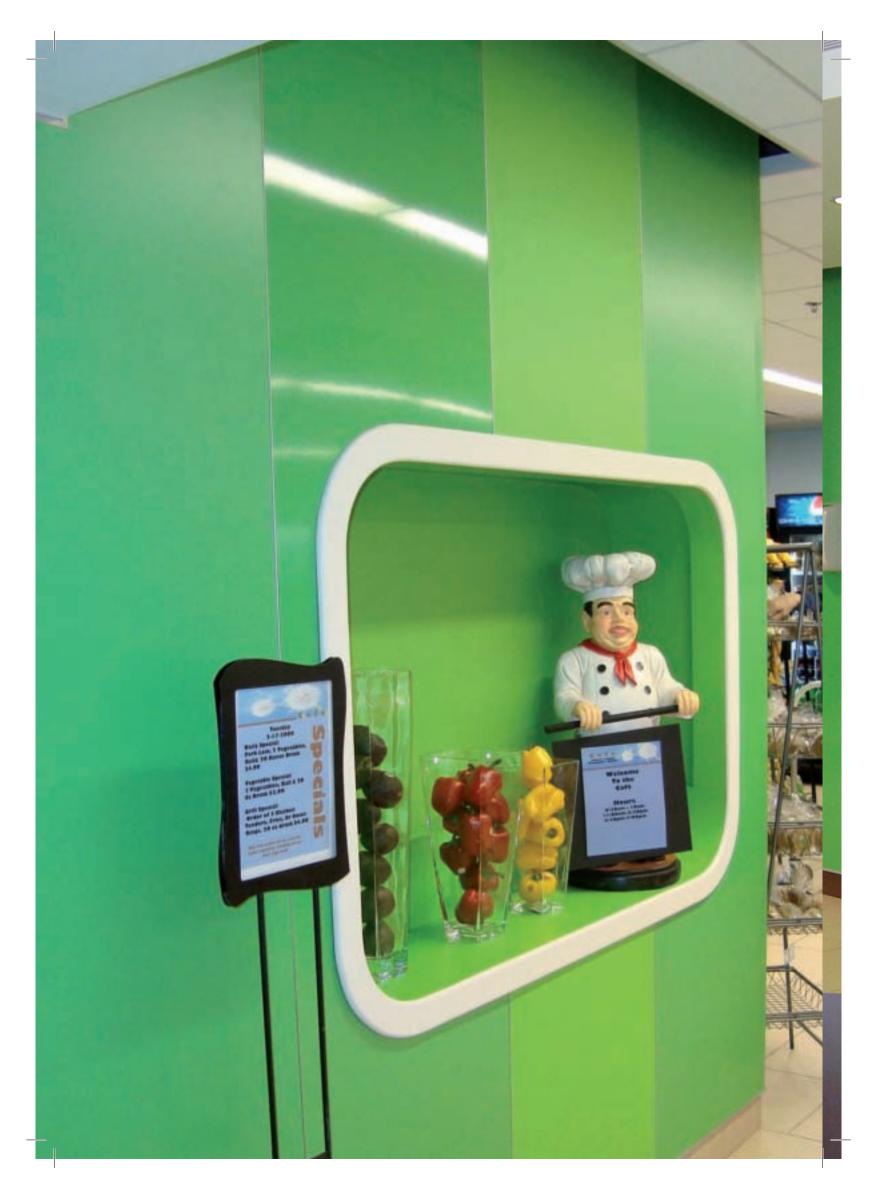
	Abrasion resistance	Thickness swelling	Scratch resistance	Impact resistance	Stain resistance	Colour resistance to xenon light	Resistance to cigarette burns	Surface electrical resistance	Reaction to fire
Test method	EN 438-2.6	EN 13329 Annex G	EN 438-2.14	EN 438-2.11	EN 438- 2.15	EN 438-2.16	EN 438-2.18	NFPA 99	13501
Criteria and/or unit of measure	Revs	%	(N)	(N)	Grade: groups 1 e 2 groups 3 e 4	Grade	Grade	ohm Ω	Category (class)
Result	IP- revs> 400	8,0	2,5	≥ 22	no alteration	> 6	> 4 no alteration	The material is antistatic	B-s2, d0

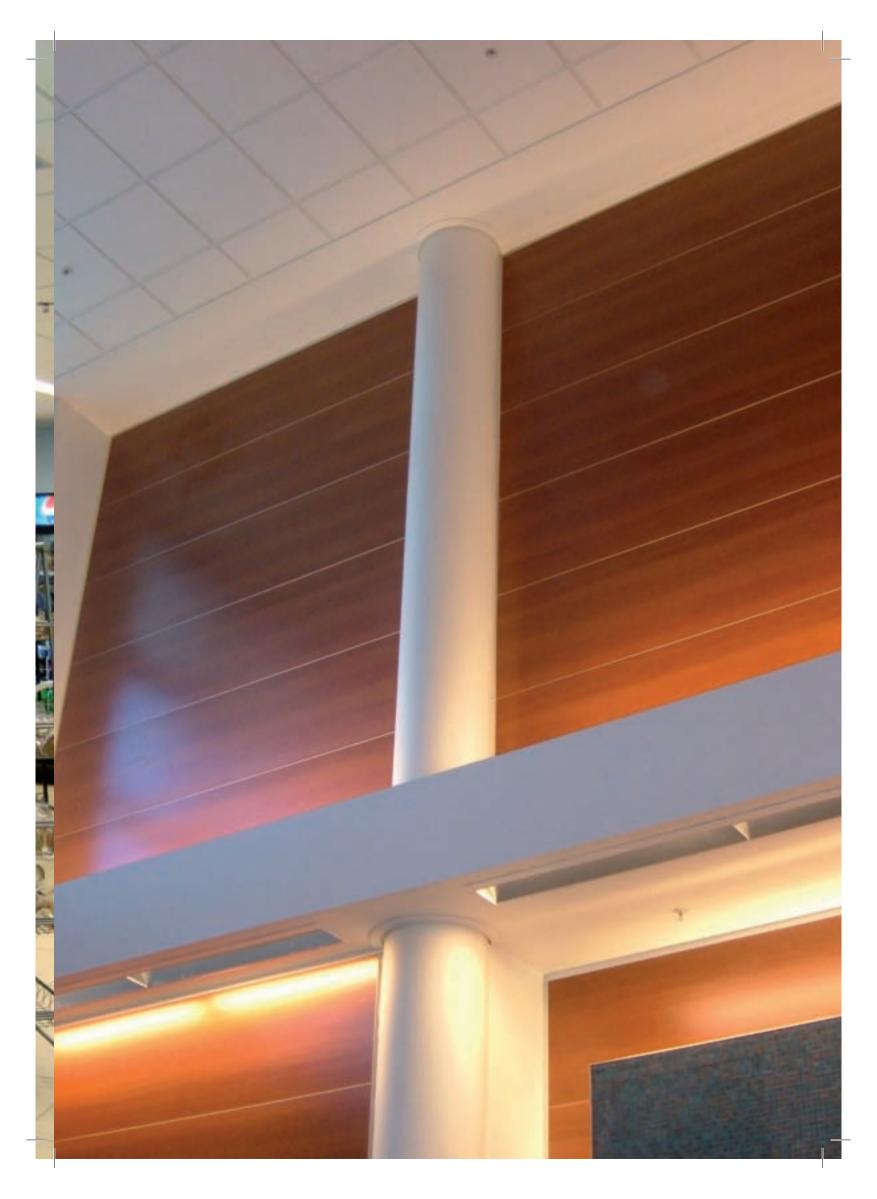
Technical data Silentwall®

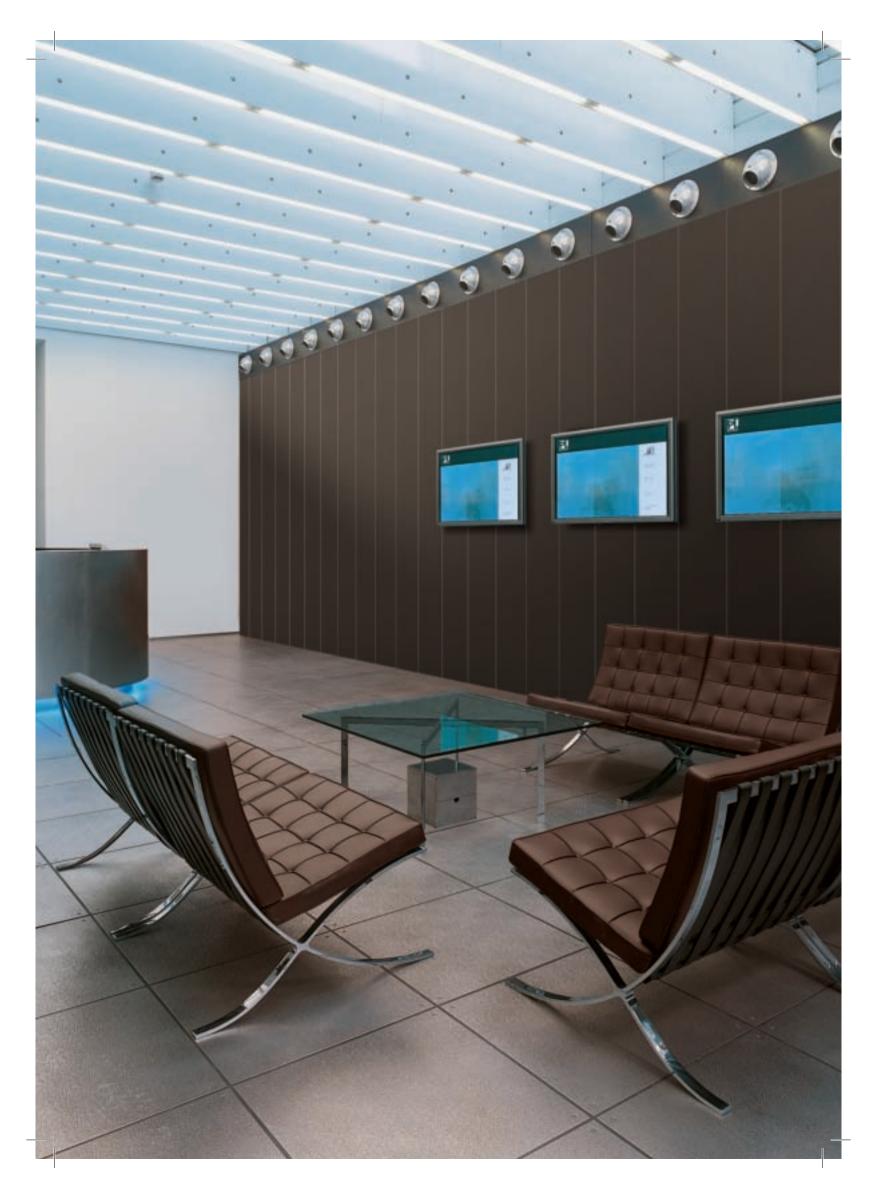


rechnicar	uata Silentwa	II.			_ Lcological E1				
	Abrasion resistance	Thickness swelling	Scratch resistance	Impact resistance	Stain resistance	Colour resistance to xenon light	Resistance to cigarette burns	Surface electrical resistance	Reaction to fire
Test method	EN 438-2.6	EN 13329 Annex G	EN 438-2.14	EN 438-2.11	EN 438- 2.15	EN 438-2.16	EN 438-2.18	NFPA 99	13501
Criteria and/or unit of measure	Revs	%	(N)	(N)	Grade: groups 1 e 2 groups 3 e 4	Grade	Grade	ohm Ω	Category (class)
Result	IP- revs> 400	8,0	2,5	≥ 22	no alteration	> 6	> 4 no alteration	The material is antistatic	B-s2, d0











ABET

ABET, Inc.

60 West sheffield Ave Englewood NJ 07631 Tel. 201 5410700 Fax 201 5410701

3415 Regatta Blvd., Bldg. E Richmond, CA 94804 Tel: 800-228-2238

ABET, Corp.

50 paxman Road, Unit 10 Toronto Ontario M9C 1B7 Tel. 416 620 6556 Fax 416 620 5330

www.abetlaminati.com

