



ACÚSTICA²¹

Écoutez la différence. *Listen to the difference.*

CASTELHANO E FERREIRA

Castelhano & Ferreira a débuté ses activités en 1978.

Au cours de ses plus de 40 ans d'existence sur le marché, elle a développé une gamme de solutions différentes pour le confort des espaces intérieurs, y compris les panneaux de conditionnement acoustique, les murs mobiles, les cloisons et les meubles.

Dans le domaine manufacturier, l'entreprise a complété sa gamme de produits avec des panneaux en bois massif et la mise en place de divers partenariats afin de présenter des solutions globales pour différents domaines : auditoriums, bureaux, espaces de santé, hôtels, entre autres...

En se concentrant sur les besoins des clients, elle est devenue une référence sur le marché portugais ayant beaucoup de projets-chantiers installés à l'échelle nationale et internationale.

Castelhano & Ferreira started its activity in 1978.

Over the course of its more than 40 years on the market, it has developed a range of different solutions for the comfort of interior spaces including acoustic conditioning panels, movable walls, partitions and furniture.

It has completed its product range with solid wood panelling and the establishment of various partnerships in order to present global solutions for different areas: auditoriums, offices, health spaces, hotels, among others...

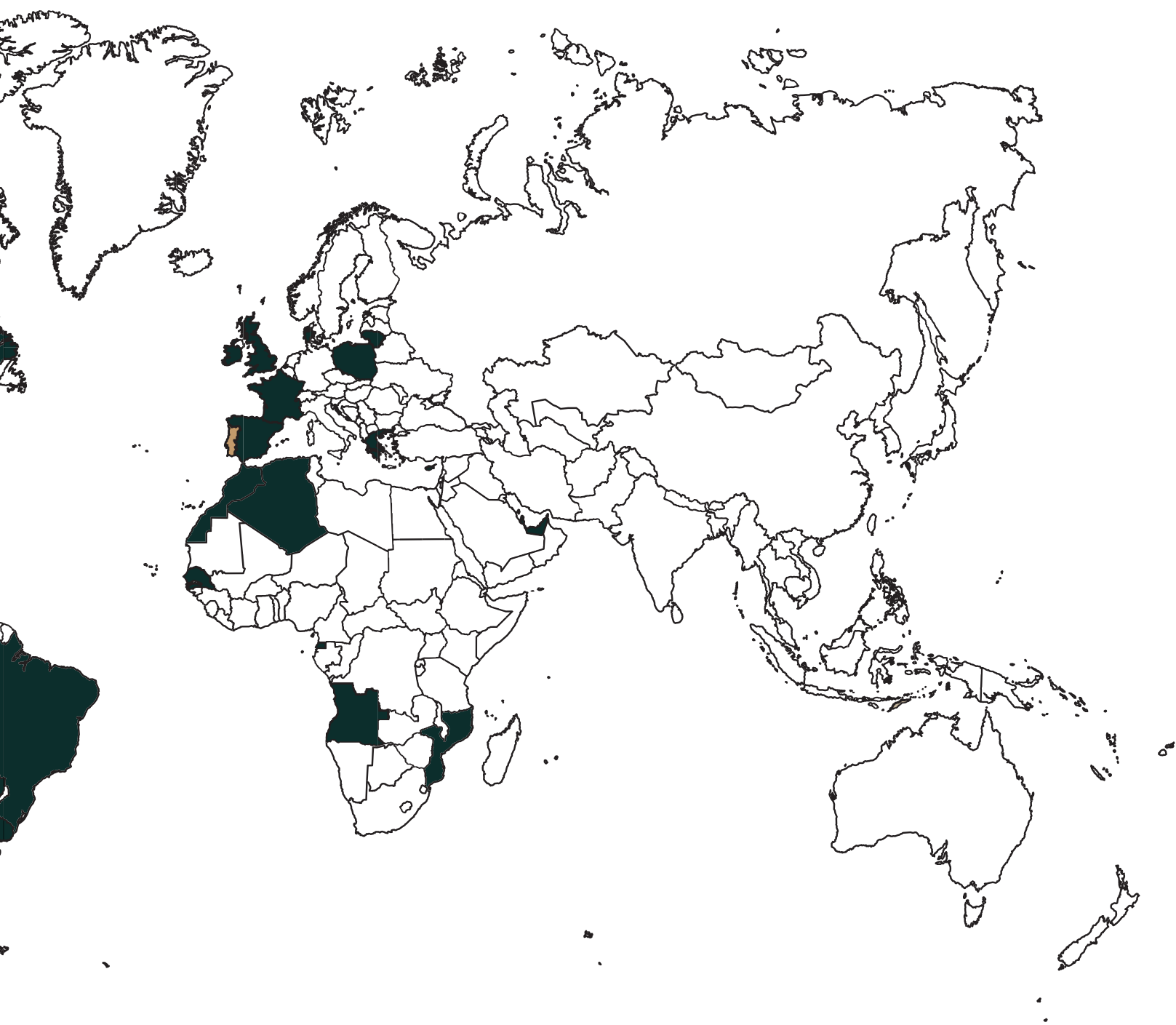
Focusing on customer needs, it has become a reference in the Portuguese market and has several works installed nationally and internationally.



ACÚSTICA²¹

Systèmes de conditionnement acoustique

*acoustic conditioning systems



Marquage CE

Castelhano e Ferreira a obtenu le label-marquage CE selon la norme EN 13986:2004 + A1 pour le système de conditionnement acoustique de la gamme Acústica 21.

Classe B-s2, d0 (Euroclasse selon la norme EN 13501-1) – système Acústica 21, composé d'un panneau en MDF plaqué ignifuge (avec ou sans perforations ou laminé perforé) + toile acoustique + structure en aluminium + laine de roche.

Classe B-s1, d0 (Euroclasse selon la norme EN 13501-1) – système Acústica 21, composé d'un panneau en MDF laminé ignifuge sans perforations + structure aluminium + laine de roche.

Certifications Supplémentaires

Les panneaux Acústica 21 sont certifiés ASTM E84 et CAN/ULC-S102.

Certification FSC®

Castelhano e Ferreira détient la certification FSC®, et peut donc fournir des panneaux acoustiques fabriqués à partir de matières premières d'origine contrôlée.



Leed Crédits

Castelhano e Ferreira utilise, dans la fabrication de panneaux acoustiques en MDF, produit pouvant contribuer à l'obtention jusqu'à 5 crédits LEED.

Système de Gestion de la Qualité

Depuis 2003, l'entreprise est certifiée NP EN ISO 9001 qui ateste les requis et le respect des exigences de la norme.

Politique Forestière

La direction de Castelhano & Ferreira répond à toutes les exigences de la norme FSC, suite à sa culture, qui témoigne de son engagement en faveur de la conservation et respect de l'environnement, dont sa préoccupation quant à l'origine du bois qu'elle utilise dans sa manufacture - produits, en faisant tout pour s'assurer que le bois qu'il vend n'appartient à aucune des catégories suivantes :

- Bois exploité illégalement ;
- Bois exploité en violation des droits traditionnels et civils ;
- Bois exploité dans des forêts dont les hautes valeurs de conservation sont menacées par des activités de gestion ;
- Bois exploité dans des forêts en cours de conversion en plantations ou en utilisations non forestières ;
- Bois provenant de forêts dans lesquelles des arbres génétiquement modifiés ont été plantés;

L'entreprise entend adopter des pratiques de gestion forestière durable et les diffuser auprès de toutes les parties prenantes.

Pour mettre en oeuvre sa politique, il est essentiel de sensibiliser ses fournisseurs aux bonnes pratiques dans ce domaine, en encourageant leur responsabilité au sein de la chaîne de responsabilité forestière.



CE Marking

Castelhano & Ferreira's products have CE marking in line with the EN 13986:2004 + A1 standard for the acoustic conditioning system of the Acoustic 21 range.

Class B-s2, d0 (Euroclass in line with EN 13501-1) – Acústica 21 system, comprising a veneered fire-resistant MDF panel (which may or may not be perforated) or laminated perforated + acoustic screen + aluminium structure + mineral wool.

Class B-s1, d0 (Euroclass in line with EN 13501-1) – Acústica 21 system, comprising a non-perforated laminated fire-resistant MDF panel + aluminium structure + mineral wool.

Additional Certifications

The Acústica 21 panels are ASTM E84 and CAN / ULC-S102 certified.

FSC® Certification

Castelhano e Ferreira holds the FSC® certification and therefore may supply acoustic panels made from raw materials of controlled origin.



Leed Credits

Castelhano & Ferreira uses MDF to produce its acoustic panels, which is material that can contribute to obtaining up to 5 LEED credits.

Quality Management System

Since 2003 the company is certified by the NP EN ISO 9001 standard, complying with all the requirements of the standard.

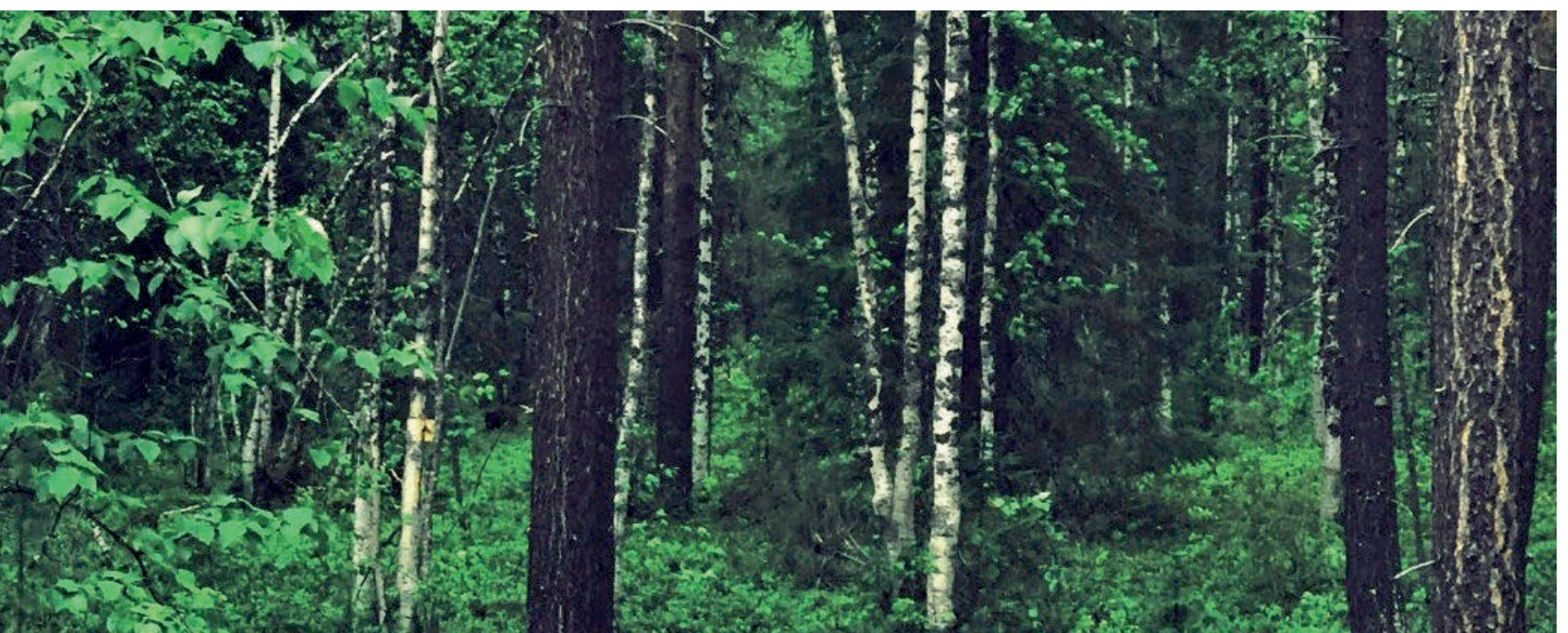
Forest Policy

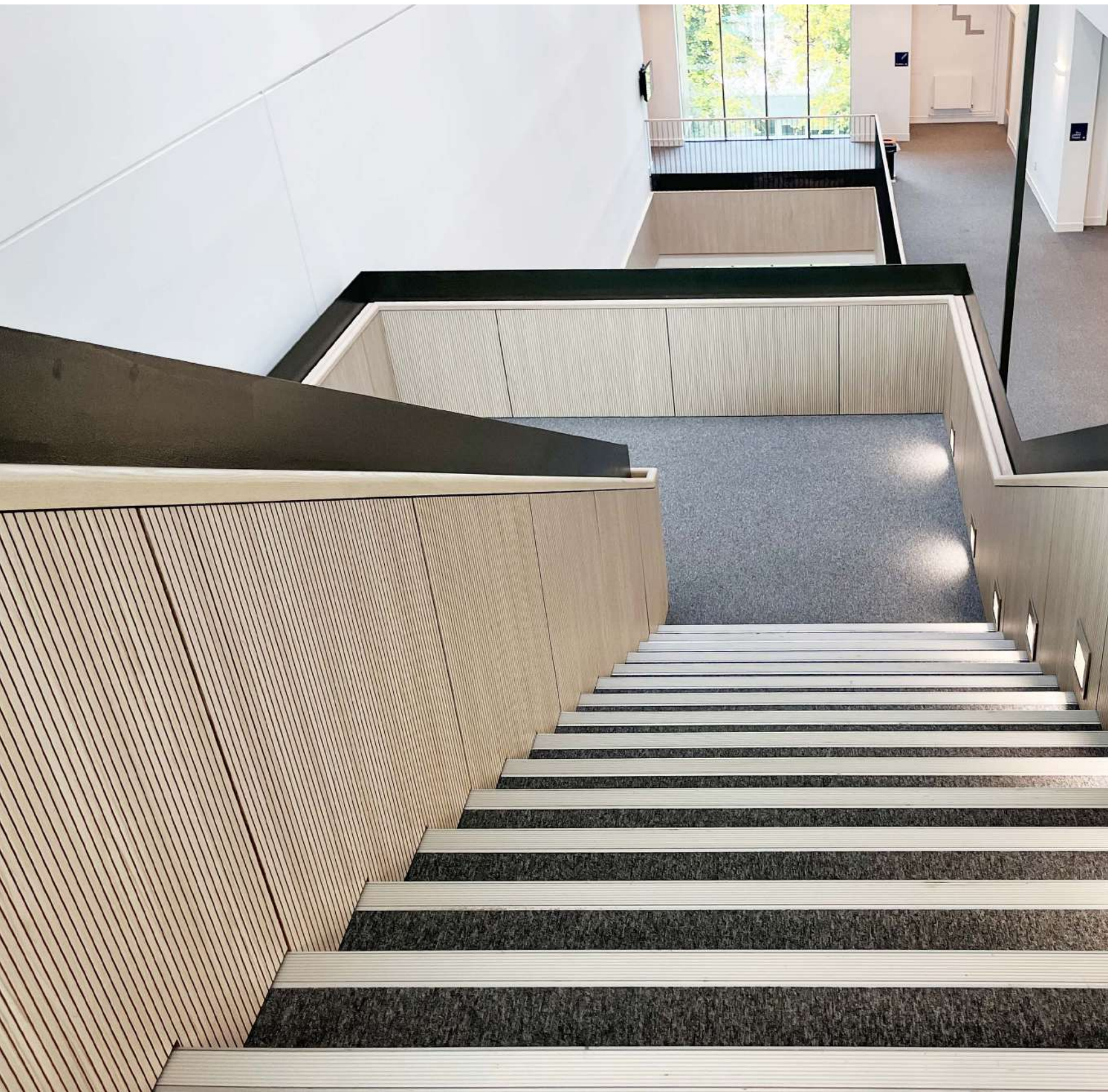
Castelhano & Ferreira's Management complies with all the requirements of the FSC standard, showing its commitment to environmental conservation and its concern about the origin of the wood it uses in its products, making every effort to ensure the wood it sells does not belong to any of the following categories:

- Illegally produced wood;
- Wood obtained in breach of traditional and civil rights;
- Wood obtained in forests whose conservation is under threat due to the way they are being managed;
- Wood obtained in forests undergoing conversion for crops or non-forest use of the ground;
- Wood obtained from forests in which genetically modified trees have been planted;

The company intends to adopt sustainable forest management practices and disseminate them to all interested parties.

To implement its policy, raising awareness among the suppliers is essential for good practices in this area, encouraging them to act responsibly within the Forest Responsibility Chain.







Projet / Project: The Nucleus Building, The University of Edinburgh - Ref: CFRF 3/10-16/16 - Local/Location: Esocid/Scotland

Normatif Normative

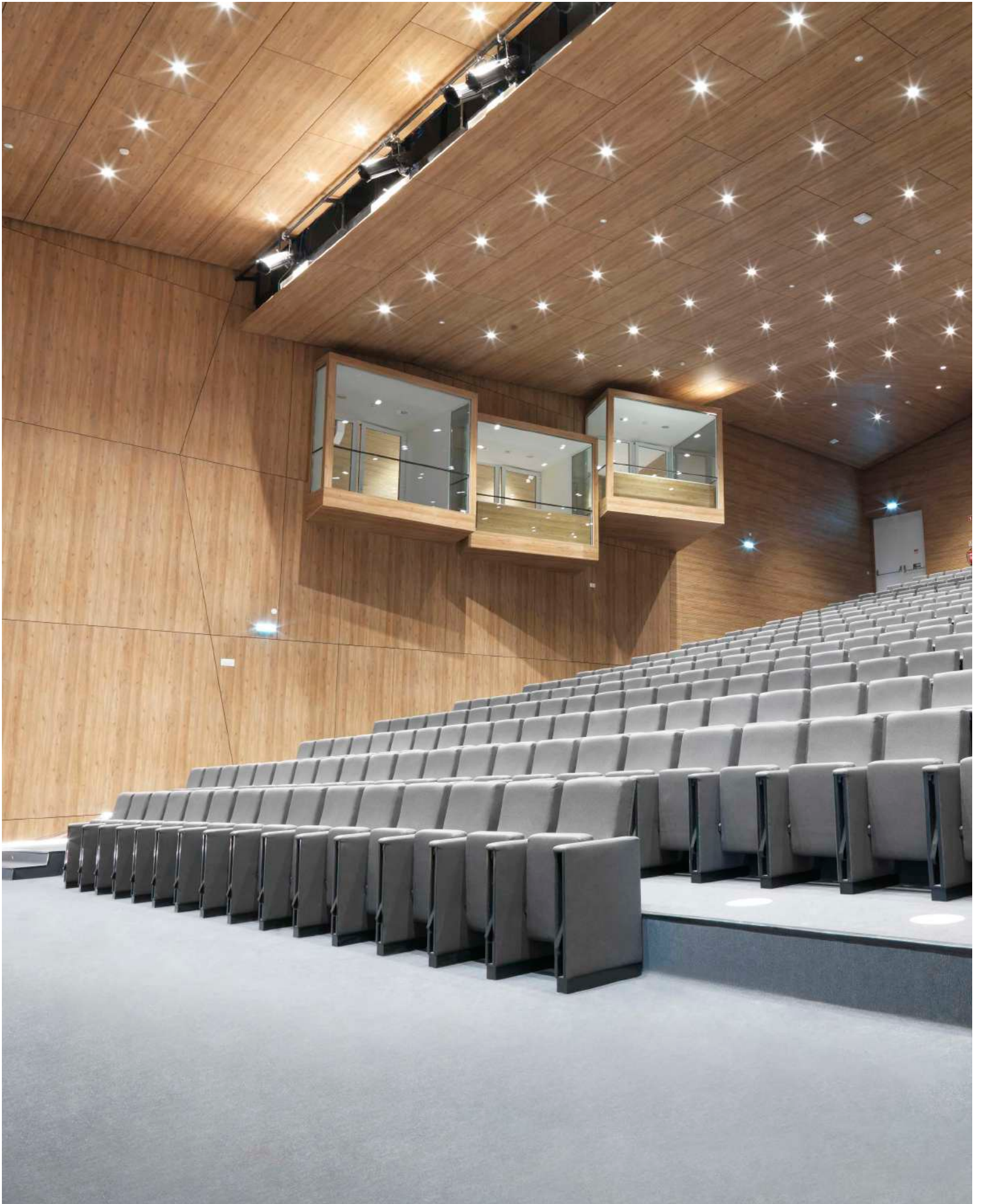
Décret-loi n° 96/2008 du 9 juin (nouveau RRAE), qui fixe les limites de temps de réverbération du son et les surfaces d'absorption acoustique équivalentes dans :

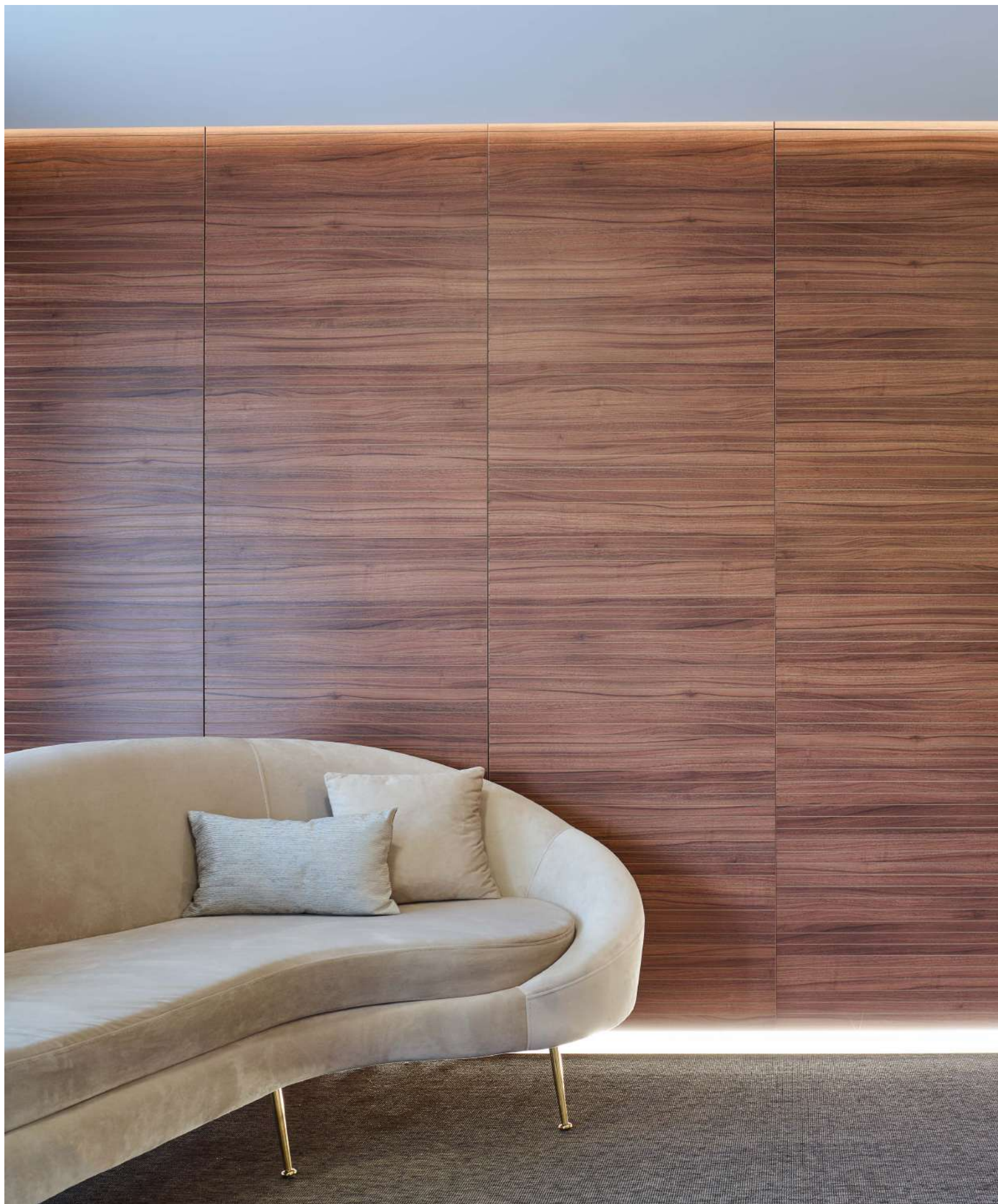
- Des bâtiments résidentiels et les unités hôtelières
- Des bâtiments commerciaux, de services et industriels
- Des bâtiments scolaires et de recherche (y compris les cafétérias et les couloirs à fort trafic)
- Salles de sport ou espaces sportifs
- Des gares de transport de passagers
- Des auditoriums et les salles de spectacles

Decree-Law No. 96/2008 of 9 June (new RRAE), which sets limits on sound reverberation time and sound absorption areas equivalent for:

- Residential buildings and hotels
- Shopping centres, office and industrial buildings
- Schools and research centres (including canteens and corridors having intense traffic)
- Sportive halls
- Passenger transport stations
- Auditoriums and halls









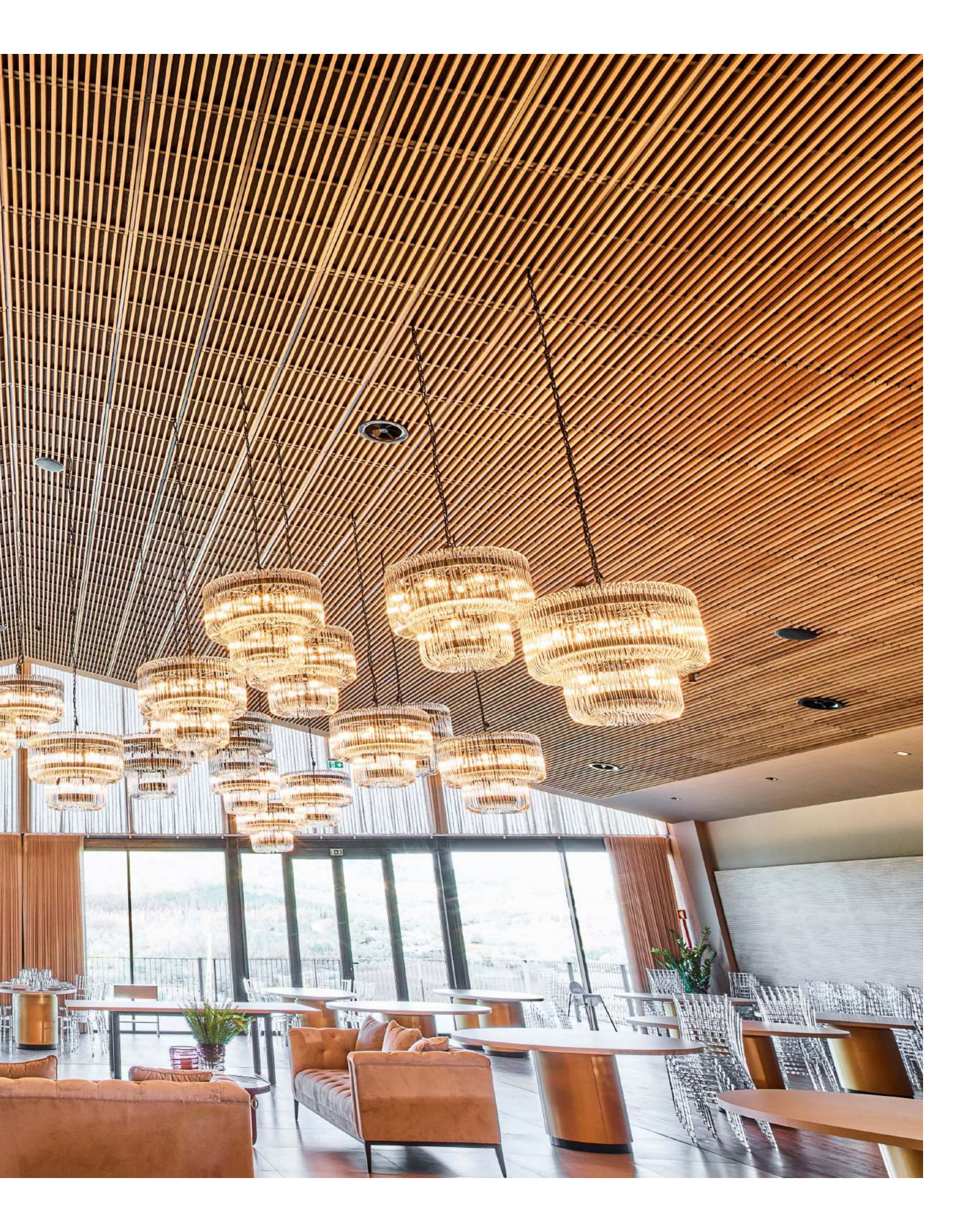
Project / Project CClinic - Ref.: CFRF 3/12-32/32 - Local/Location: Leiria, Portugal





Project / Project The Editory Boulevard Aliados Hotel - Ref.: CF Micro - Locall/Location: Porto, Portugal







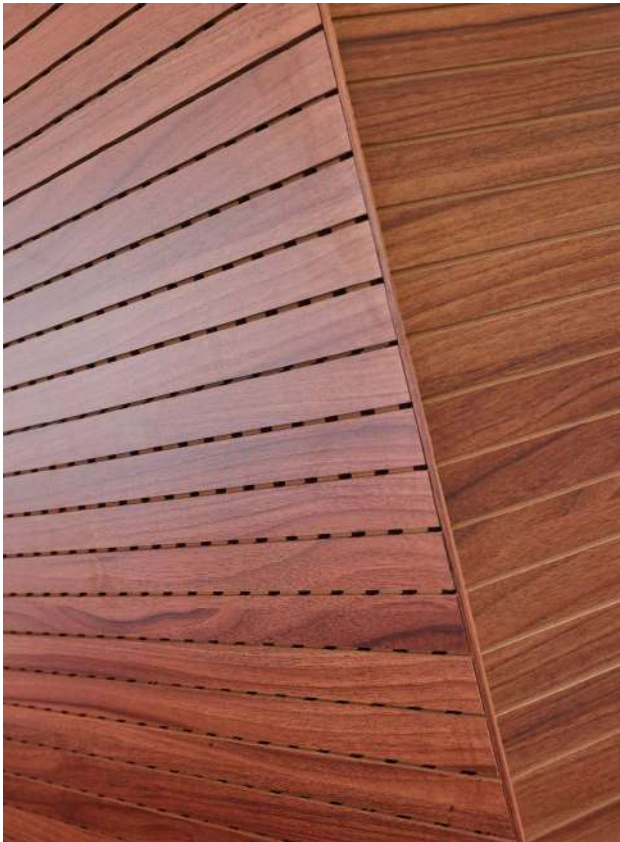






Projeto / Project: Macoils - Ref.: CFRF 3/8 - 16/32 - Local/Location: Leiria, Portugal





Caractéristiques

Features

Comportement des Panneaux

Les panneaux Acústica 21 en MDF doivent être entreposés à plat sur le lieu de pose pendant 2 à 3 jours avant leur installation, afin de permettre leur acclimatation et les mouvements naturels du bois.

Pendant la période de stabilisation et la pose, la température ne doit pas être inférieure à 15 °C et l'humidité relative doit être comprise entre 40 % et 60 %. Le chantier doit être clos et climatisé au moins 24 heures avant le début des travaux de pose.

Le MDF étant un matériau qui se dilate et se contracte en fonction des variations de température et d'humidité, il est recommandé de prévoir un joint d'au moins 2 mm entre les panneaux, aussi bien au plafond que sur les murs.

Caractéristiques Techniques

Les panneaux ACÚSTICA 21 sont constitués de panneaux en MDF ignifuge ou standard, revêtus de stratifié ou de placage bois, ou encore de MDF teinté dans la masse. Dans ce dernier cas, ils reçoivent une finition vernie présentant des caractéristiques ignifuges.

Quel que soit le support, les panneaux peuvent également être laqués dans n'importe quelle couleur du nuancier RAL.

Selon la référence, les panneaux sont disponibles en épaisseurs de 12, 16 ou 19 mm. Ils peuvent comporter des perforations ou des rainures standard, ou d'autres motifs sur demande, en fonction des exigences de correction acoustique.

Une membrane acoustique présentant des caractéristiques ignifuges est collée sur la face non visible des panneaux perforés.

Certification Acoustique

Les panneaux Acústica 21 sont testés par des laboratoires accrédités, indépendants de Castelhana e Ferreira, qui attestent de manière rigoureuse et impartiale les performances acoustiques du système.

Behaviour of the Panels

The panels should be taken to the location two to three days before they are applied in order to undergo the normal wood dilation process.

During stabilization and assembly, the temperature should not be less than 15 °C and the relative humidity should be between 40% and 60%.

The work site must be closed and air-conditioned at least 24 hours before the start of assembly.

As MDF is a material that expands and contracts according to the changes in temperature and humidity, it is advisable to use a minimum joint of 2mm between panels in both ceilings and walls.

Technical Characteristics

Acústica 21 panels are made from fire-resistant or standard MDF boards, which are laminated or veneered, or coloured MDF finished with fire-resistant varnish. Regardless of the surface, the panels may be lacquered in any RAL colour.

The panels are 12, 16 or 19 mm in thickness, depending on the reference, and may have standard drilled holes or grooves, upon consultation, in line with the acoustic correction needs.

A fire-resistant acoustic screen is placed on the non-visible side of the perforated boards.

Acoustic Certification

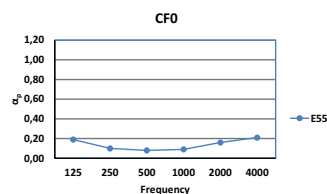
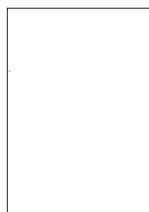
The Acústica 21 panels are tested by accredited laboratories, which testify the acoustic performance of the system in a thorough and independent manner.

Information Technique

Technical Information

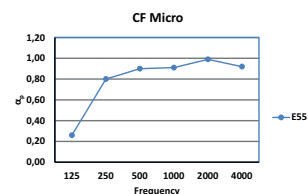
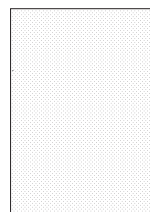
CF 0 *

Ref.	CF 0
● mm	0
% Perf.	0%



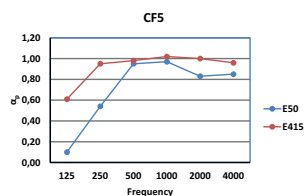
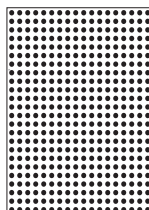
CF MICRO *

Ref.	CF MICRO
● mm	0,5
Entraxe entre trous (mm)	2,7
Gap between drillings (mm)	
% Perf.	2,2%
α_w (Mur / Wall)	0,95
NRC (Mur / Wall)	0,90



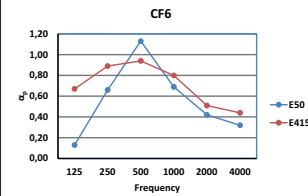
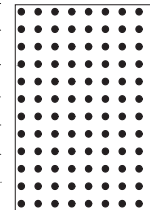
CF 5 *

Ref.	CF 5
● mm	5
% Perf.	28,95%
α_w (Plafond / Ceiling)	1,00
NRC (Plafond / Ceiling)	1,00
α_w (Mur / Wall)	0,80
NRC (Mur / Wall)	0,80



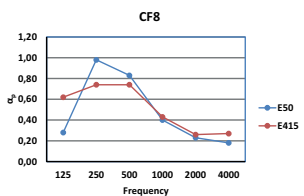
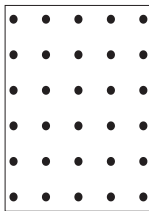
CF 6 *

Ref.	CF 6
● mm	6
% Perf.	10,42%
α_w (Plafond / Ceiling)	0,55 (LM)
NRC (Plafond / Ceiling)	0,80
α_w (Mur / Wall)	0,45 (LM)
NRC (Mur / Wall)	0,70



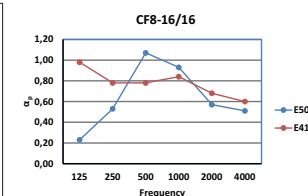
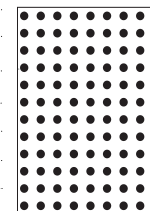
CF 8 *

Ref.	CF 8
● mm	8
% Perf.	4,63%
α_w (Plafond / Ceiling)	0,35 (LM)
NRC (Plafond / Ceiling)	0,55
α_w (Mur / Wall)	0,30 (LM)
NRC (Mur / Wall)	0,60



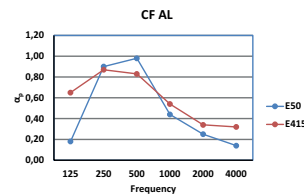
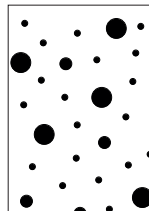
CF 8 16/16 *

Ref.	CF 8 16/16
● mm	8
% Perf.	18,40%
α_w (Plafond / Ceiling)	0,70 (L)
NRC (Plafond / Ceiling)	0,75
α_w (Mur / Wall)	0,60 (M)
NRC (Mur / Wall)	0,75



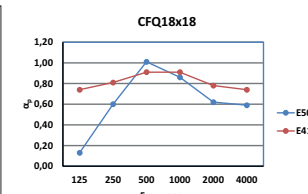
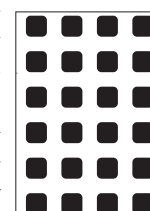
CFAL *

Ref.	CFAL
● mm	6, 12, 20
% Perf.	7,59%
α_w (Plafond / Ceiling)	0,40 (LM)
NRC (Plafond / Ceiling)	0,65
α_w (Mur / Wall)	0,30 (LM)
NRC (Mur / Wall)	0,60



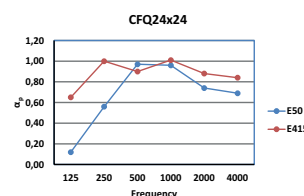
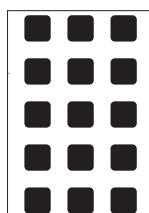
CFQ 18X18 *

Ref.	CFQ 18x18
■ mm	18
% Perf.	27,91%
α_w (Plafond / Ceiling)	0,85
NRC (Plafond / Ceiling)	0,85
α_w (Mur / Wall)	0,70 (M)
NRC (Mur / Wall)	0,75



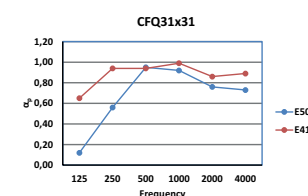
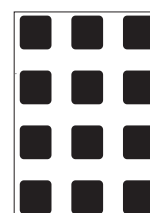
CFQ 24X24 *

Ref.	CFQ 24x24
■ mm	24
% Perf.	30,66%
α_w (Plafond / Ceiling)	0,95
NRC (Plafond / Ceiling)	0,95
α_w (Mur / Wall)	0,80
NRC (Mur / Wall)	0,80



CFQ 31X31 *

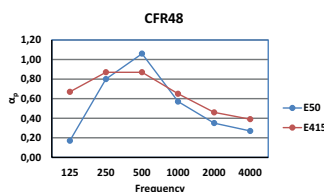
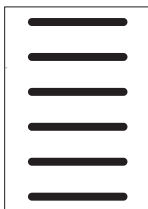
Ref.	CFQ 31x31
■ mm	31
% Perf.	31,92%
α_w (Plafond / Ceiling)	0,95
NRC (Plafond / Ceiling)	0,90
α_w (Mur / Wall)	0,80
NRC (Mur / Wall)	0,80



* Produits certifiés FSC disponible sur demande.
Products are available as FSC certified on request.

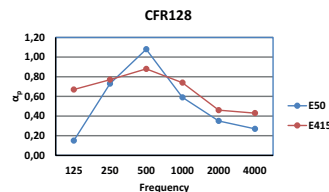
CFR 48 *

Ref.	CFR 48
mm	100x8
% Perf.	10,05%
α_w (Plafond / Ceiling)	0,50 (LM)
NRC (Plafond / Ceiling)	0,70
α_w (Mur / Wall)	0,35 (LM)
NRC (Mur / Wall)	0,70



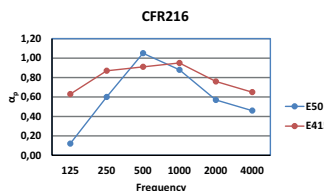
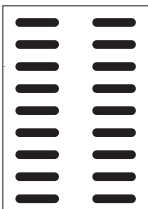
CFR 128 *

Ref.	CFR 128
mm	40x8
% Perf.	10,47%
α_w (Plafond / Ceiling)	0,55 (LM)
NRC (Plafond / Ceiling)	0,75
α_w (Mur / Wall)	0,35 (LM)
NRC (Mur / Wall)	0,70



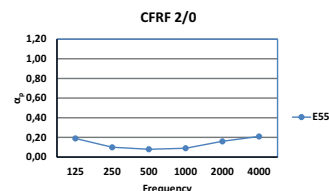
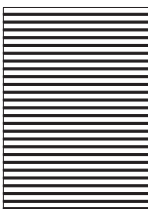
CFR 216 *

Ref.	CFR 216
mm	40x8
% Perf.	18,14%
α_w (Plafond / Ceiling)	0,80 (L)
NRC (Plafond / Ceiling)	0,85
α_w (Mur / Wall)	0,60 (M)
NRC (Mur / Wall)	0,75



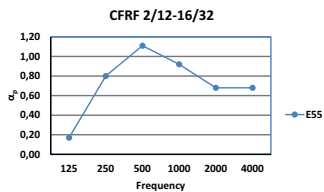
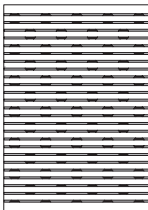
CFRF 2/0 *

Ref.	CFRF 2/0
Rainure (Slot)	2
Endos (Back)	0
% Perf.	0%
α_w (Mur / Wall)	0,15
NRC (Mur / Wall)	0,10



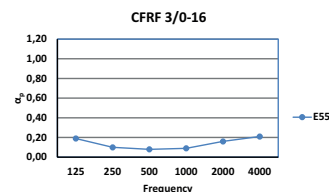
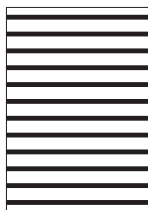
CFRF 2/12-16/32 *

Ref.	CFRF 2/12-16/32
Rainure (Slot)	2
Endos (Back)	Ø 12
% Perf.	6,76%
α_w (Mur / Wall)	0,75 (M)
NRC (Mur / Wall)	0,85



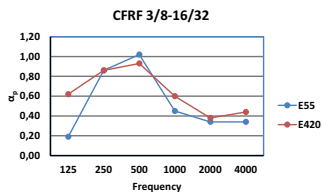
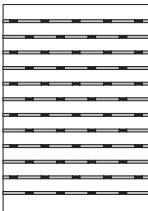
CFRF 3/0 - 16 *

Ref.	CFRF 3/0-16
Rainure (Slot)	3
Endos (Back)	0
% Perf.	0%
α_w (Mur / Wall)	0,15
NRC (Mur / Wall)	0,10



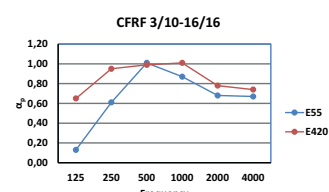
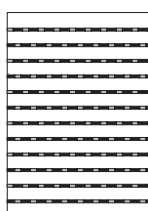
CFRF 3/8 - 16/32 *

Ref.	CFRF 3/8-16/32
Rainure (Slot)	3
Endos (Back)	Ø 8
% Perf.	4,16%
α_w (Plafond / Ceiling)	0,50 (LM)
NRC (Plafond / Ceiling)	0,70
α_w (Mur / Wall)	0,40 (LM)
NRC (Mur / Wall)	0,65



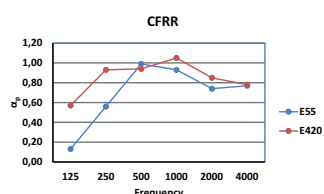
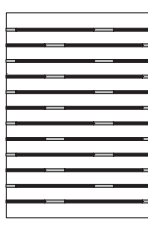
CFRF 3/10 - 16/16 *

Ref.	CFRF 3/10-16/16
Rainure (Slot)	3
Endos (Back)	Ø 10
% Perf.	11,95%
α_w (Plafond / Ceiling)	0,85 (L)
NRC (Plafond / Ceiling)	0,95
α_w (Mur / Wall)	0,75 (M)
NRC (Mur / Wall)	0,80



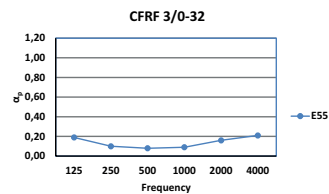
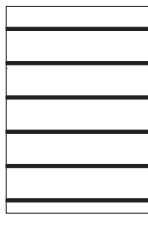
CFRR *

Ref.	CFRR
Rainure (Slot)	3
Endos (Back)	80X8
% Perf.	12,50%
α_w (Plafond / Ceiling)	0,90 (L)
NRC (Plafond / Ceiling)	0,95
α_w (Mur / Wall)	0,80
NRC (Mur / Wall)	0,80



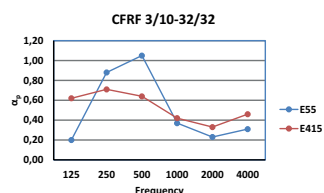
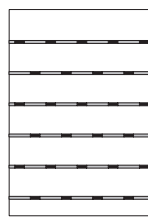
CFRF 3/0 - 32 *

Ref.	CFRF 3/0-32
Rainure (Slot)	3
Endos (Back)	0
% Perf.	0%
α_w (Mur / Wall)	0,15
NRC (Mur / Wall)	0,10



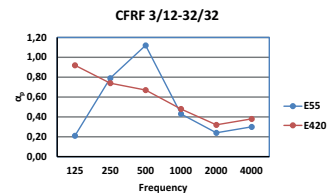
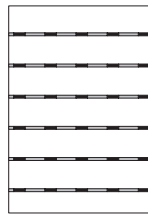
CFRF 3/10 - 32/32 *

Ref.	CFRF 3/10-32/32
Rainure (Slot)	3
Endos (Back)	Ø 10
% Perf.	2,84%
α_w (Plafond / Ceiling)	0,35 (LM)
NRC (Plafond / Ceiling)	0,50
α_w (Mur / Wall)	0,35 (LM)
NRC (Mur / Wall)	0,60



CFRF 3/12 - 32/32 *

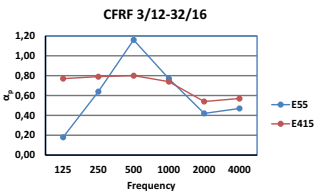
Ref.	CFRF 3/12-32/32
Rainure (Slot)	3
Endos (Back)	Ø 12
% Perf.	3,25%
α_w (Plafond / Ceiling)	0,40 (LM)
NRC (Plafond / Ceiling)	0,50
α_w (Mur / Wall)	0,35 (LM)
NRC (Mur / Wall)	0,60



* Produits certifiés FSC disponible sur demande.
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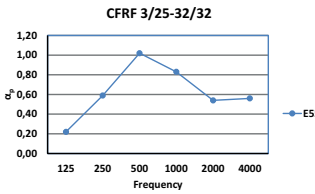
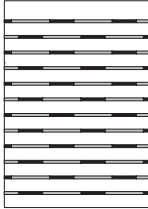
CFRF 3/12 - 32/16 *

Ref.	CFRF 3/12-32/16
Rainure (Slot)	3
Endos (Back)	Ø 12
% Perf.	6,55%
aw (Plafond / Ceiling)	0,65 (L)
NRC (Plafond / Ceiling)	0,70
aw (Mur / Wall)	0,50 (LM)
NRC (Mur / Wall)	0,70



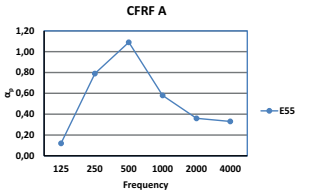
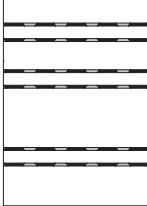
CFRF 3/25 - 32/32 *

Ref.	CFRF 3/25-32/32
Rainure (Slot)	3
Endos (Back)	Ø 25
% Perf.	7,70%
aw (Mur / Wall)	0,60(LM)
NRC (Mur / Wall)	0,75



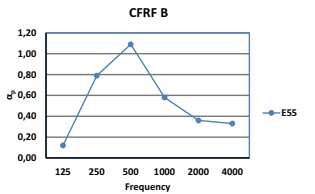
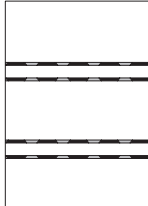
CFRF A *

Ref.	CFRF A
Rainure(Slot)	3
Endos (Back)	Ø 25
% Perf.	5,01%
aw (Mur / Wall)	0,45(LM)
NRC (Mur / Wall)	0,65



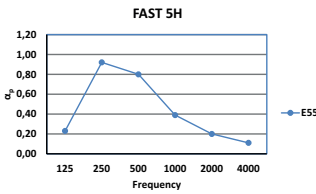
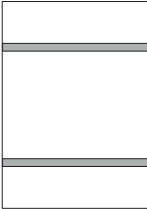
CFRF B *

Ref.	CFRF B
Rainure (Slot)	3
Endos (Back)	Ø 25
% Perf.	5,01%
aw (Mur / Wall)	0,45(LM)
NRC (Mur / Wall)	0,65



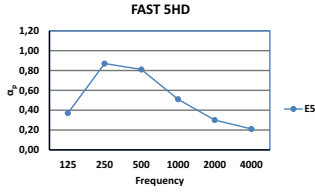
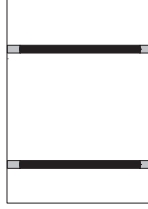
FAST 5H *

Ref.	FAST 5H
Rainure devant (Front Slot)	8
Rainure endos (Back Slot)	135x25
% Perf. (devant / Front)	6,7%
% Perf. (endos / Back)	28,9%
aw (Mur / Wall)	0,25(LM)
NRC (Mur / Wall)	0,55



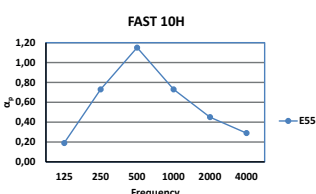
FAST 5HD *

Ref.	FAST 5HD
Rainure devant (Front Slot)	8
Rainure endos (Back Slot)	125x25
% Perf. (Devant / Front)	6,7%
% Perf. (Endos / Back)	13,45%
aw (Mur / Wall)	0,35(LM)
NRC (Mur / Wall)	0,60



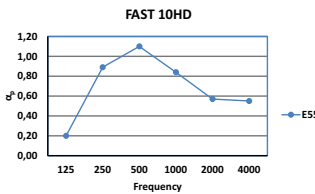
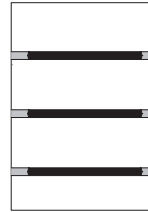
FAST 10H *

Ref.	FAST 10H
Rainure devant (Front Slot)	8
Rainure endos (Back Slot)	136x16
% Perf. (devant / Front)	13,4%
% Perf. (endos / Back)	42,6%
aw (Mur / Wall)	0,45(LM)
NRC (Mur / Wall)	0,75



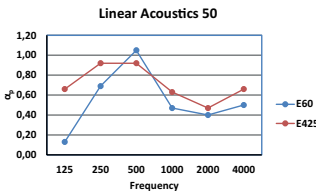
FAST 10HD *

Ref.	FAST 10HD
Rainure devant (Front Slot)	8
Rainure endos (Back Slot)	116x16
% Perf. (Devant / Front)	13,4%
% Perf. (Endos / Back)	22,7%
aw (Mur / Wall)	0,65(LM)
NRC (Mur / Wall)	0,85



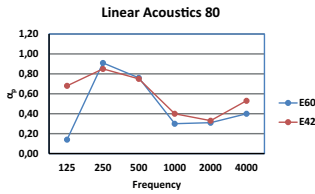
LINEAR ACOUSTICS 50 *

Ref.	LINEAR ACOUSTICS 50
Largeur Latte (Slat Width - mm)	50
Dist. entre les lattes (Gap between slats - mm)	12
% Perf.	19,35%
aw (Plafond / Ceiling)	0,60 (LM)
NRC (Plafond / Ceiling)	0,75
aw (Mur / Wall)	0,50 (LM)
NRC (Mur / Wall)	0,65



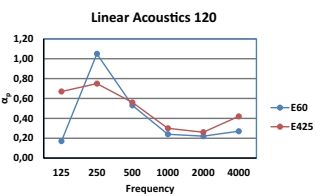
LINEAR ACOUSTICS 80 *

Ref.	LINEAR ACOUSTICS 80
Largeur Latte (Slat Width - mm)	80
Dist. entre les lattes (Gap between slats - mm)	12
% Perf.	13,04%
aw (Plafond / Ceiling)	0,40 (LM)
NRC (Plafond / Ceiling)	0,55
aw (Mur / Wall)	0,35 (LM)
NRC Mur / Wall)	0,55



LINEAR ACOUSTICS 120 *

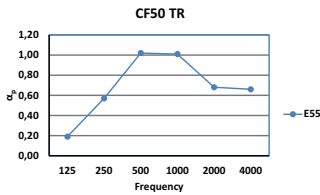
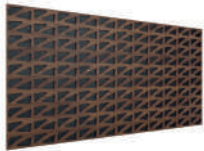
Ref.	LINEAR ACOUSTICS 120
Largeur Latte (Slat Width - mm)	120
Dist. entre les lattes (Gap between slats - mm)	12
% Perf.	9,09%
aw (Plafond / Ceiling)	0,30 (LM)
NRC (Plafond / Ceiling)	0,45
aw (Mur / Wall)	0,30 (LM)
NRC (Mur / Wall)	0,45



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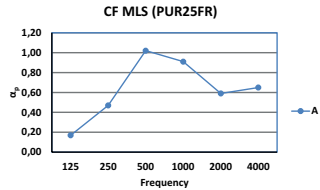
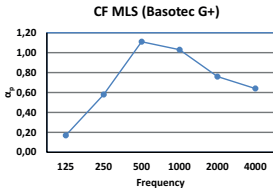
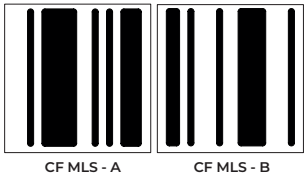
CF 50 TR *

Ref.	CF 50 TR
▲ mm	170x150x80
% Perf.	44%
α _w (Mur / Wall)	0,75 (M)
NRC (Mur / Wall)	0,80



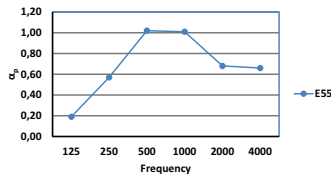
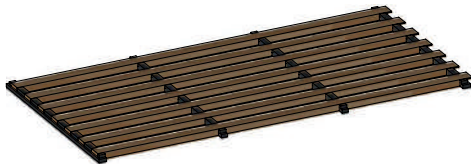
CF MLS-A / CF MLS-B

Ref.	CF MLS-A/CF MLS-B
Dim. (mm)	600x600
Basotec G+	
α _w (Mur / Wall)	0,75 (M)
NRC (Mur / Wall)	0,90
PUR25FR	
α _w (Mur / Wall)	0,70 (M)
NRC (Mur / Wall)	0,75



CF SOLID WOOD 1 *

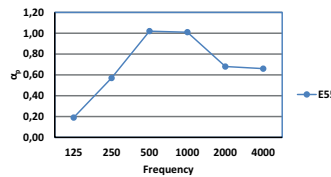
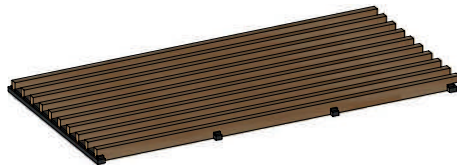
Ref.	CF SOLID WOOD 1
Dim.Standard (Standard Dimensions)	
Dim.Lattes (Dim. Slats)	40X20 mm
Esp. entre les Lattes (Spacing between slats)	45 mm



Note: courbe d' absorption attendue.
Observation: expected absorption curve.

CF SOLID WOOD 2 *

Ref.	CF SOLID WOOD 2
Dim.(Standard Dimensions)	
Dim. Lattes (Dim. Slats)	20X40 mm
Esp. entre les Lattes (Spacing between slats)	40 mm



Note: courbe d' absorption attendue.
Observation: expected absorption curve.

WOODCITY SCATTER 7

Ref.	WOODCITY SCATTER 7
Dim. (mm)	595X595



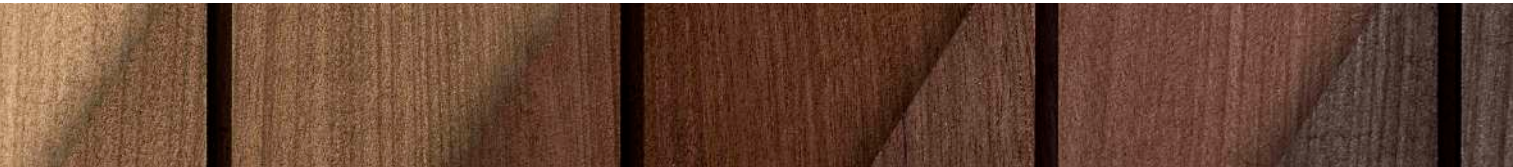
WOODCITY SCATTER 13

Ref.	WOODCITY SCATTER 13
Dim. (mm)	595X595



* Produits certifiés FSC disponible sur demande.
Products are available as FSC certified on request.

Acabados
Finishings



Finitions disponibles: placage, mélaminé, HPL, vernis, teinté-lasure, laqué et impression.
Possible inishings: veneer, melamine, HPL, varnish, staining lacquered and printed.

Placages: Hêtre, Boleau, Érable, Frêne, Chêne, Noyer, Cerisier.
Natural Veneer: Beech, Birch, Maple, Ash, Oak, Walnut, Cherry.

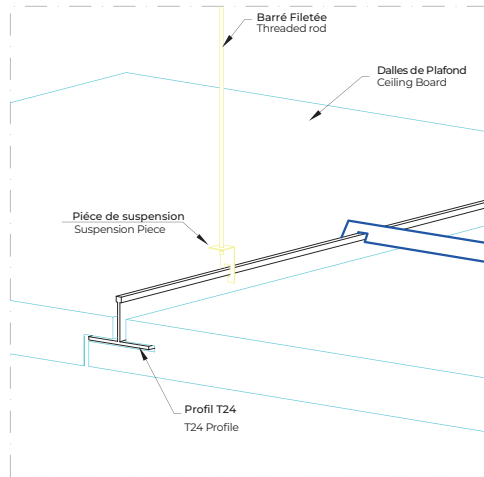
Laminés: Blanc, Gris, Noir, Hêtre, Frêne, Chêne, Noyer, Cerisier.
Laminates: White, Grey, Black, Beech, Maple, Ash, Oak, Walnut, Cherry.

Autres finitions sur demande.
Other inishings on request.

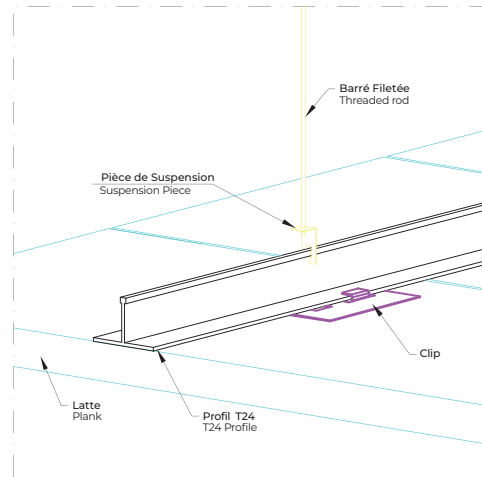
Shémas de Montage

Assembly Drawings

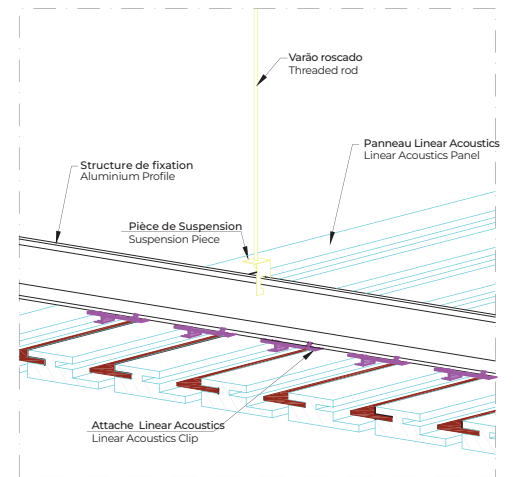
Plafond en Dalles
Board's Ceiling



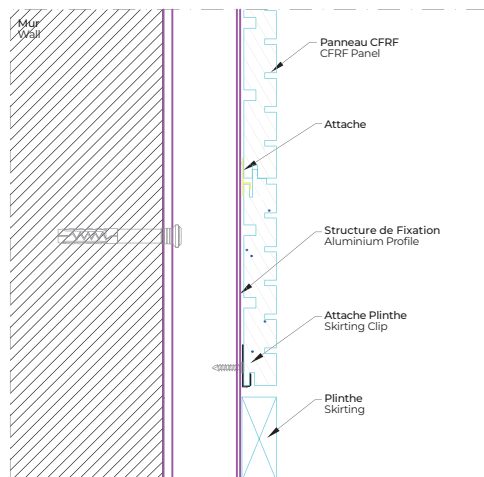
Plafond en Lattes
Planks' Ceiling



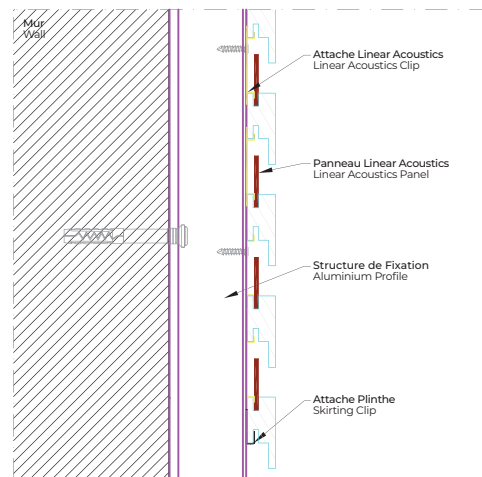
Plafond Linear Acoustics
Linear Acoustics Ceiling



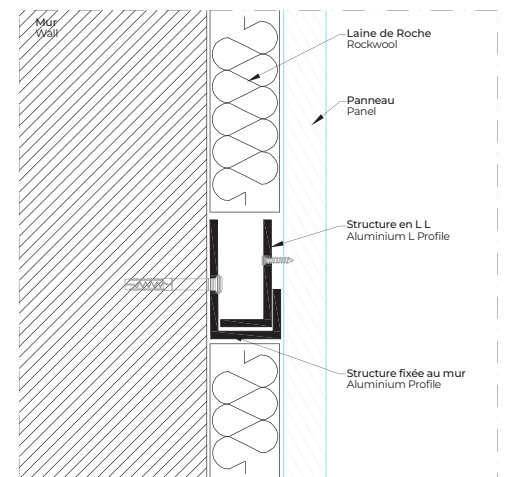
Panneaux CFRF
CFRF'S Panels



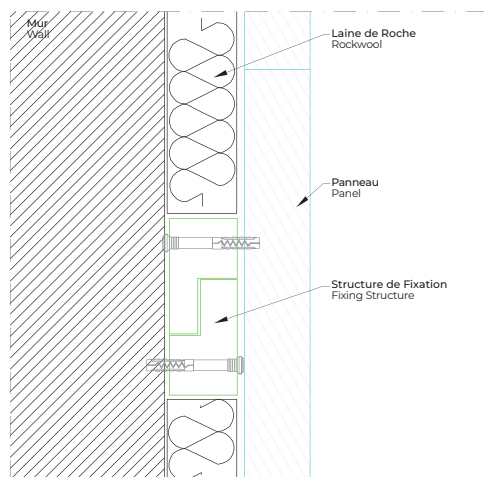
Linear Acoustics Montage
Linear Acoustics Assembly



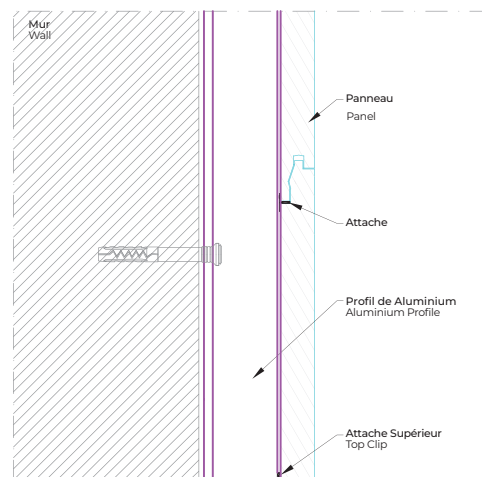
Panneaux de Cloison Amovible
Removable Wood Panel



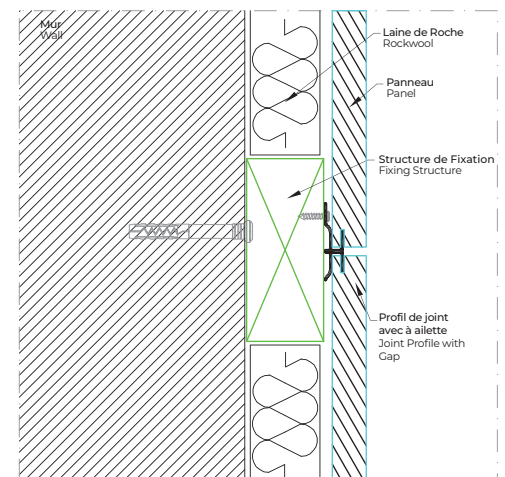
Panneaux Microperforés
Microperforated Panels



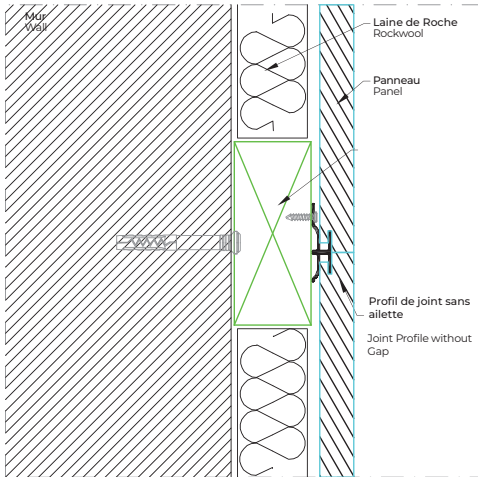
Panneaux Microperforés - Système Clic
Microperforated Panels - Clic System



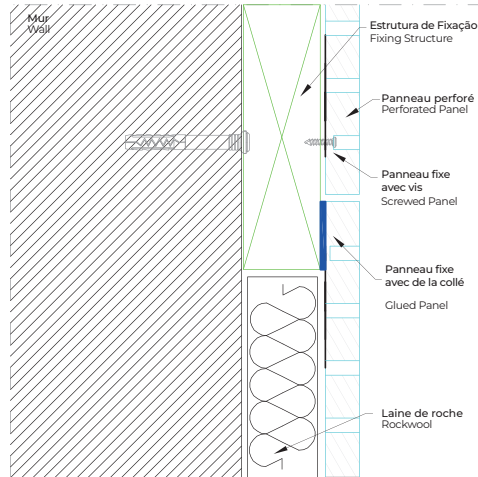
Profil de joint avec à ailette
Joint Profile with Gap



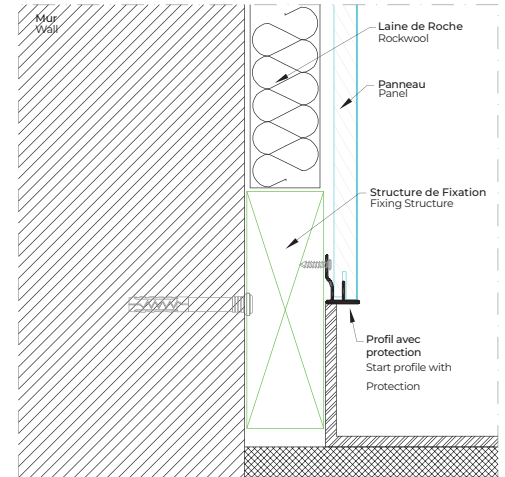
Perfil de Junta sem Alheta
Joint Profile without Gap



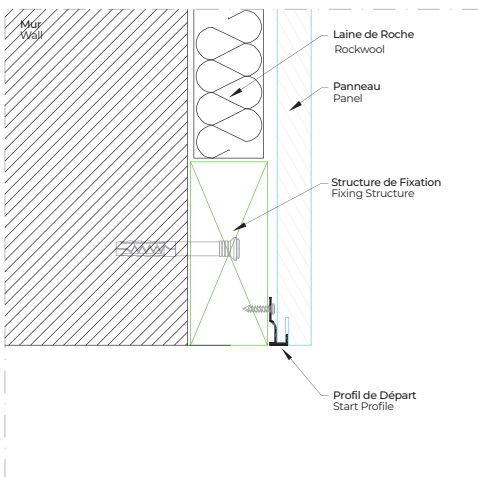
Sans profil - collé ou vissé
No Profile - Glued or Screwed



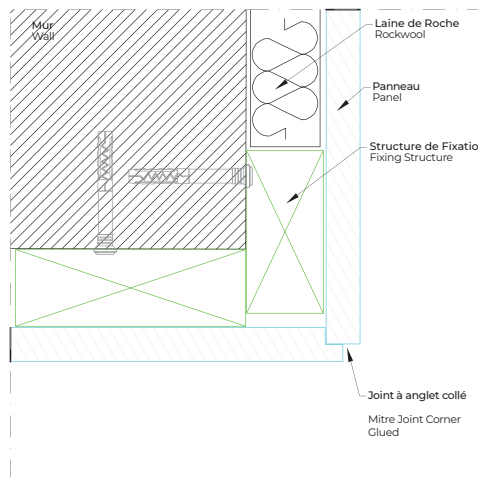
Profil avec Protection
Start Profile with Protection



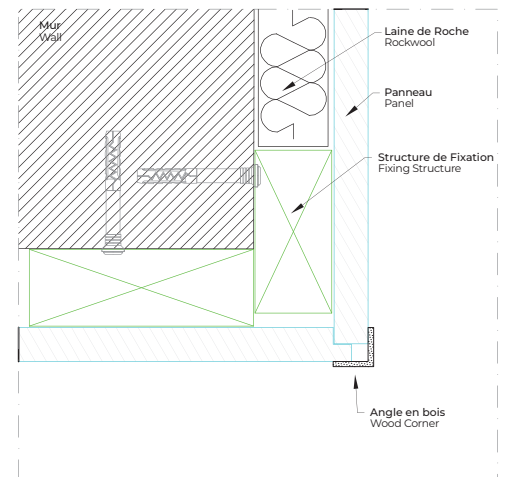
Profil de Départ
Start Profile



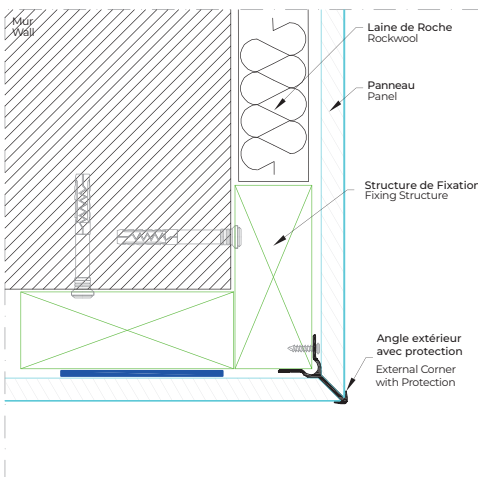
Angle sans Profil
Corner without Profile



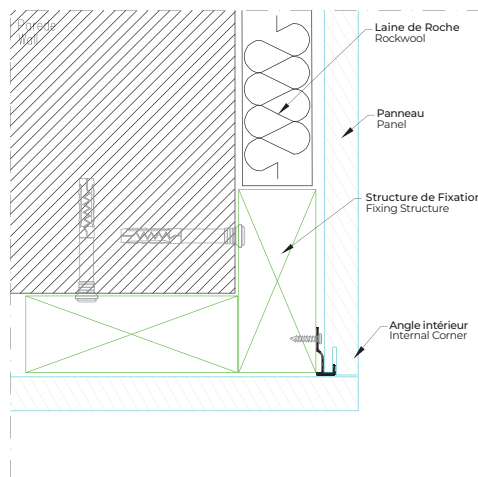
Angle en Bois
Wood Corner



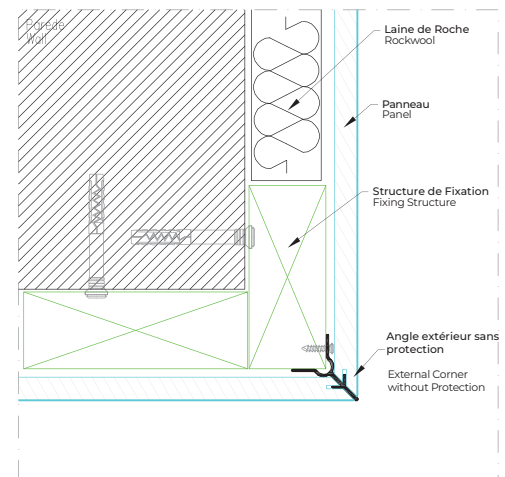
Angle extérieur avec Protection
External Corner with Protection



Angle intérieur avec Profil
Internal Corner with Profile



Angle extérieur sans Protection
External Corner without Protection



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Nous développons des solutions spécifiques pour chaque secteur d'activité en fonction des besoins du client, où le facteur clé est l'intégration de toutes les phases du projet et de la construction en formulant des solutions fonctionnelles, modulaires et polyvalentes espaces de travail.

With four decades of experience dedicated to the optimization of workspaces, Castelhano e Ferreira develops solutions to keep up with the constantly changing work processes and organization of the teams as a strategic partner.

We develop specific solutions for each business area according to the client's needs, where the key factor is the integration of all phases of project and construction formulating functional, modular and versatile workspaces.