



ACÚSTICA²¹

CF FIRE PROTECTION

KNAUFDESIGN

INFORMAÇÃO TÉCNICA

TECHNICAL INFORMATION

Produto Product	LAMINADO LAMINATE
Acabamentos Finishings	Laminado Laminate
Opções Acústicas Acoustic Options	R,S,M,N
Dimensões Dimensions	Dimensões sob consulta. Dimensions on request.

Produto Product	FOLHEADO VENEER
Acabamentos Finishings	Folheado Veneer
Opções Acústicas Acoustic Options	R,S,M,N
Dimensões Dimensions	Dimensões sob consulta. Dimensions on request.



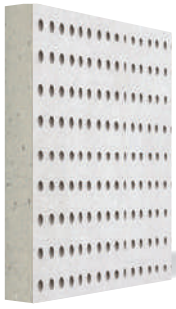
NANOPERFURADO
NANOPERFORATED



MICROPERFURADO
MICROPERFORATED



RANHURADOS
SLOTTED



PERFURAÇÃO REDONDA
ROUND PERFORATION

Características Gerais

General Characteristics

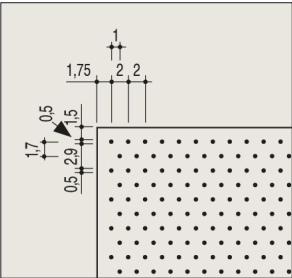
Espessura Thickness	12 MM 18 MM
Tardoz Back	Tela Acústica colada em fábrica. Factory glued acoustic fleece.
Classificação Classification	A2-S1, d0 de acordo com a norma EN 13501-01 (não combustível) A2-S1, d0 according to EN13501-01(non-combustible)
Certificados Certificates	VOC regulation, AgBB, EMICODE, Blue Angel, BREEAM, LEED
Áreas de Aplicação Areas of Application	Espaços abertos, salas de conferência, es- colas, restaurantes, pavilhões, auditórios. Open-spaces, conference rooms, schools, res- taurants, pavilions, auditoriums.

NANOPERFURAÇÃO

NANOPERFORATION



Absorção Sonora Classe C / B / A Sound Absorption Class C / B / A	
$\alpha_w = 0,60 - 0,90 \text{ (LM)}$	
Norma Norm	DIN EN ISO 11654
Tipo de Perfuração Perforation Type	0,5 / 3,4-1 N
Taxa de Perfuração Rate of Perforation	5,77 %
Acabamento Finishing	Folheado Veneer Laminado Laminate

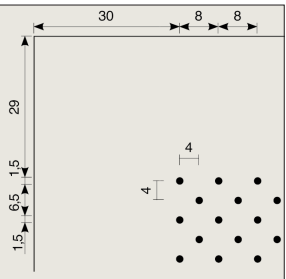


MICROPERFURAÇÃO

MICROPERFORATION



Absorção Sonora Classe D Sound Absorption Class D	
$\alpha_w = 0,55 \text{ (L)} - 0,80$	
Norma Norm	DIN EN ISO 11654
Tipo de Perfuração Perforation Type	1,5 / 8-4 M
Taxa de Perfuração Rate of Perforation	5,4 %
Acabamento Finishing	Folheado Veneer Laminado Laminate

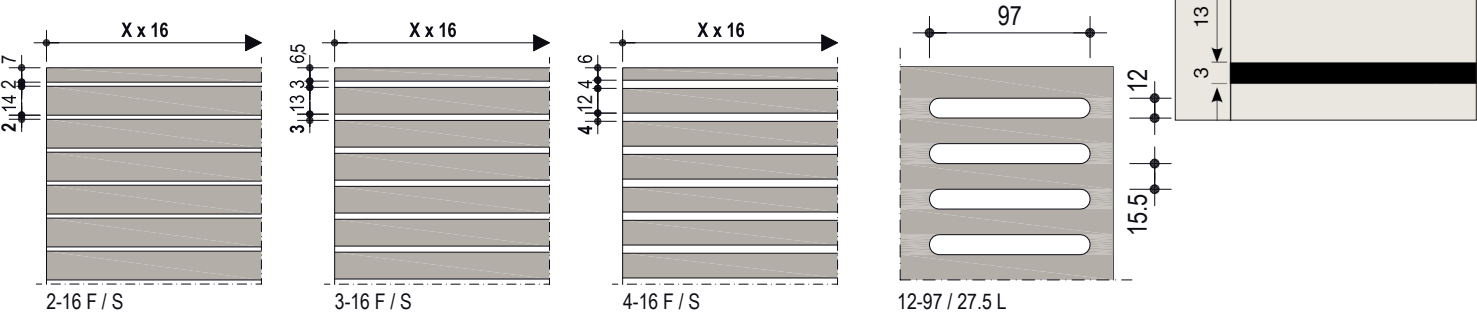


RANHURADOS

SLOTTED



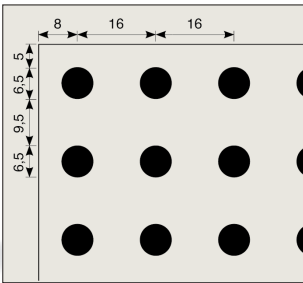
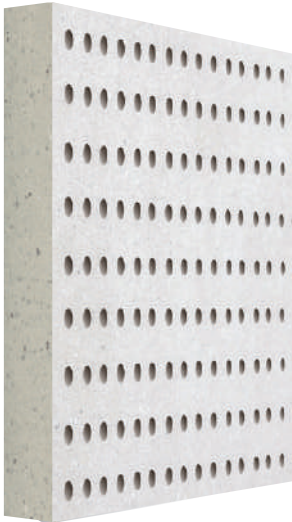
Absorção Sonora Classe D / C / B Sound Absorption Class D / C / B	
$\alpha_w = 0,45 \text{ (MH)} - 0,80$	
Norma Norm	DIN EN ISO 11654
Tipo de Perfuração Perforation Type	3 / 16 S
Taxa de Perfuração Rate of Perforation	18,8 %
Acabamento Finishing	Folheado Veneer Laminado Laminate

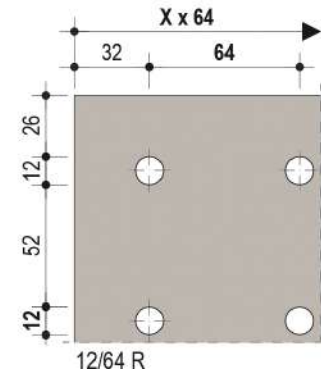
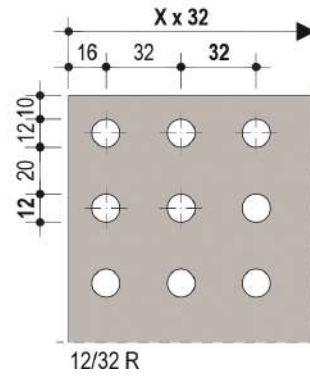
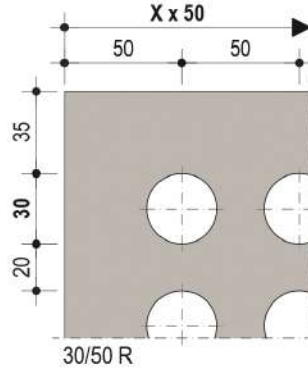
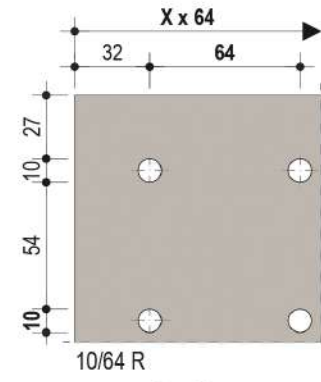
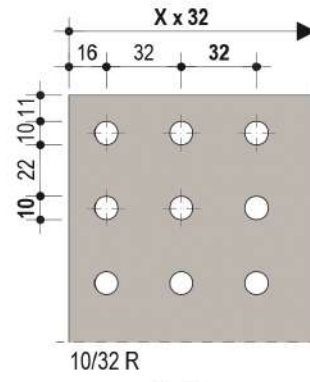
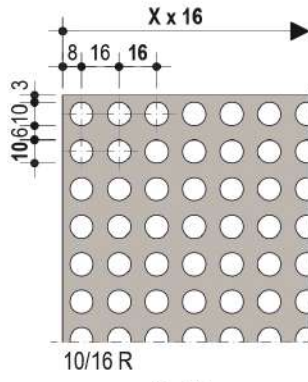
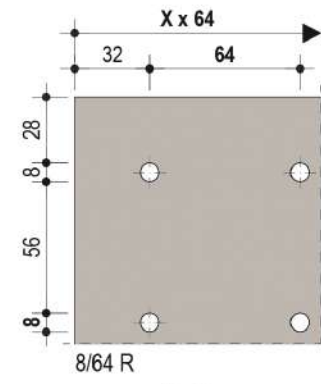
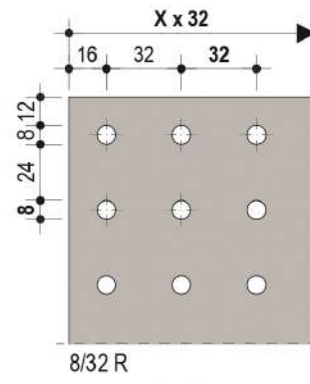
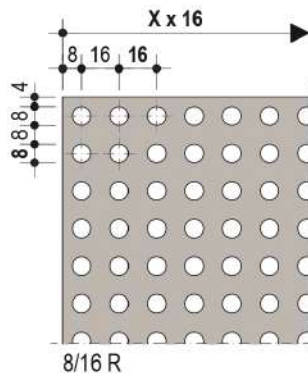
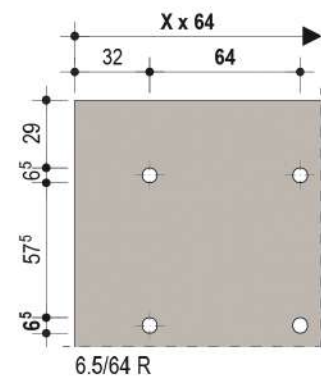
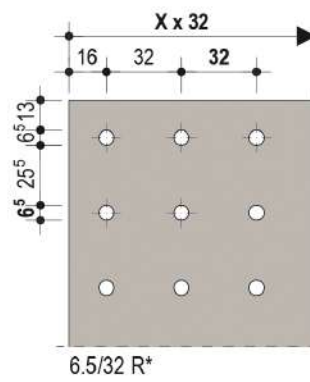
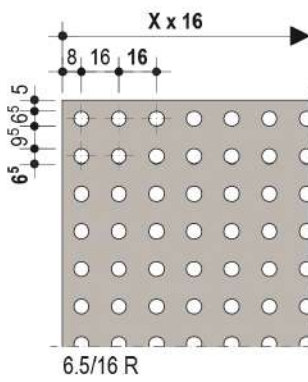
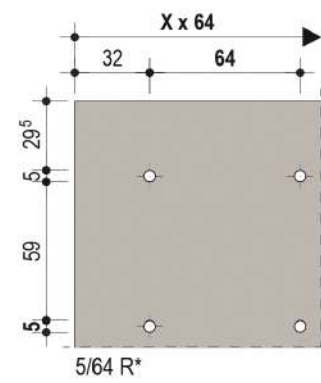
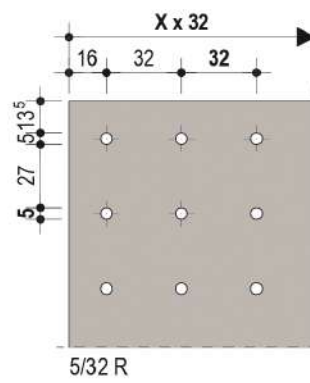
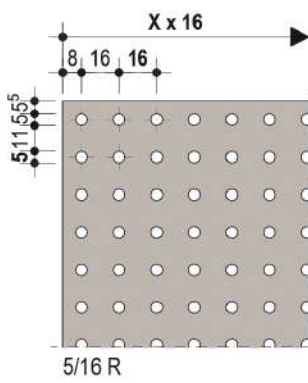


PERFURAÇÃO REDONDA

ROUND PERFORATION

Absorção Sonora Classe D / C / B Sound Absorption Class D / C / B	
$\alpha_w = 0,55 \text{ (H)} - 0,80$	
Norma Norm	DIN EN ISO 11654
Tipo de Perfuração Perforation Type	8 / 16 R
Taxa de Perfuração Rate of Perforation	19,2 %
Acabamento Finishing	Folheado Veneer Laminado Laminate





PERFURAÇÃO CONTÍNUA
CONTINUOUS PERFORATION

Modelo Design	Configuração Configuration	Taxa de perfuração (placa) em % Perforation proportion (board) in %	Peso aprox. em kg/m² / Approx.board weight in kg/m²	
			Com densidade 1100 kg/m³ With density 1100 kg/m³	Com densidade 1500 kg/m³ With density 1500 kg/m³
Nanoperfuração/Nanoperforation	0.5 / 3.4-1 N	5.77	18.7	25,4
Microperfuração/Microperforation	1.5 / 8-4 M	5.4	18.7	25.5
Perfuração Redonda / Round Perforation	5-16 R	7.5	18.3	25.0
	5-32 R	1.9	19.4	26.5
	6.5-16 R	12.7	17.3	23.6
	6.5-64 R	0.9	19.6	26.8
	8-16 R	19.2	16.0	21.8
	8-32 R	5.0	18.8	25.7
	8-64 R	1.3	19.5	26.6
	10-16 R	30.7	13.7	18.7
	10-32 R	7.8	18.3	24.9
	10-64 R	2.1	19.4	26.4
	12-32 R	11.2	17.6	24.0
	12-64 R	3.0	19.2	26.2
	30-50 R	24.8	—	
Ranhurados / Slotted	12-97 / 27.5 L	36.8	12.5	17.1
Ranhurados / Slotted	2-16 S	12.5	17.3	23.6
	3-16 S	18.8	16.1	21.9
	4-16 S	25.0	14.9	20.3
Ranhurados - Frente Slotted - Front	2-16 F	12.5	17.3	23.6
	3-16 F	18.8	16.1	21.9
	4-16 F	25.0	14.9	20.3



ACABAMENTOS
FINISHINGS

FOLHEADO
VENEER



Ref. KD-0035-00-W Oak Select



Ref. KD-0042-00-W American Walnut



Ref. KD-0045-00-W Maple Select



Ref. KD-0046-00-W Canadian Maple



Ref. KD-0048-00-W Beech Heartwood



Ref. KD-0049-00-W Beech Select



Ref. KD-0052-00-W Heartwood Ash



Ref. KD-0054-00-W Black Cherry



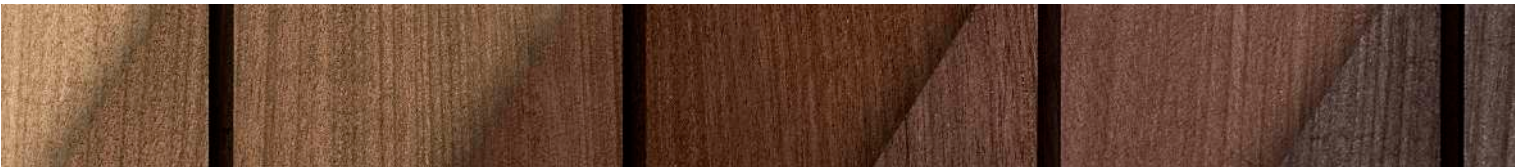
Ref. KD-0055-00-W American Cherry



Ref. KD-0062-00-W Bamboo

Obs. Outros acabamentos sob consulta.
Other finishings on request.

LAMINADO
LAMINATED



Laminados sob consulta.
Laminates on request.

ACESSÓRIOS ACCESSORIES

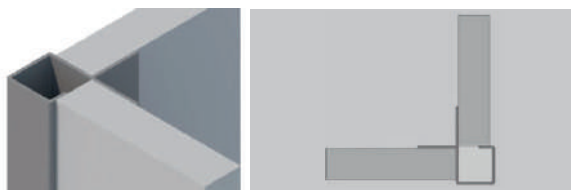
P1 Perfil de Canto a 45° (15 x15 mm / 22 x 22 mm)
P1 Miter Profile 45° (15 x15 mm / 22 x 22 mm)



P2 Perfil Estrela (15 x15 mm / 22 x 22 mm)
P2 Star Profile 45° (15 x15 mm / 22 x 22 mm)



P3 Perfil de Ligação (15 x15 mm / 22 x 22 mm)
P3 Square Profile 45° (15 x15 mm / 22 x 22 mm)



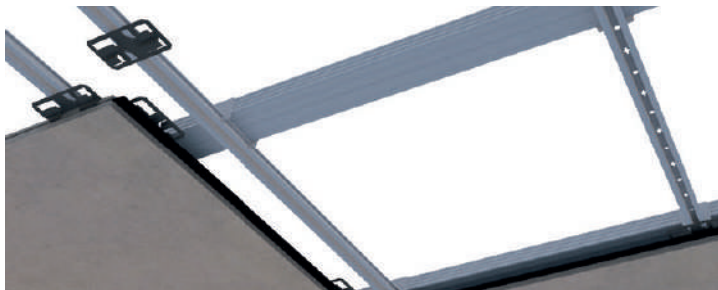
P4 Perfil de Ligação (15 x15 mm / 22 x 22 mm)
P4 Connection Profile 45° (15 x15 mm / 22 x 22 mm)



P5 Perfil de Acabamento (15 x15 mm / 22 x 22 mm)
P5 Finishing Profile 45° (15 x15 mm / 22 x 22 mm)



MONTAGEM ASSEMBLY

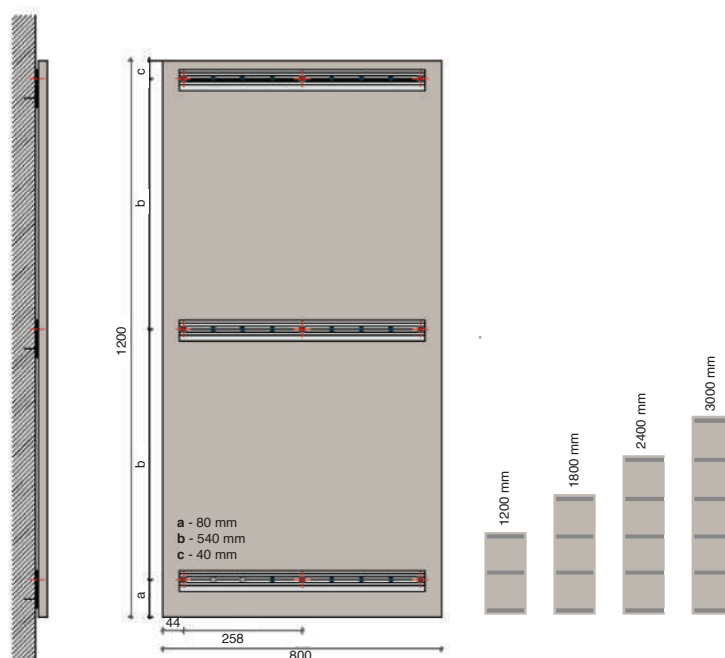


VANTAGENS ADVANTAGES

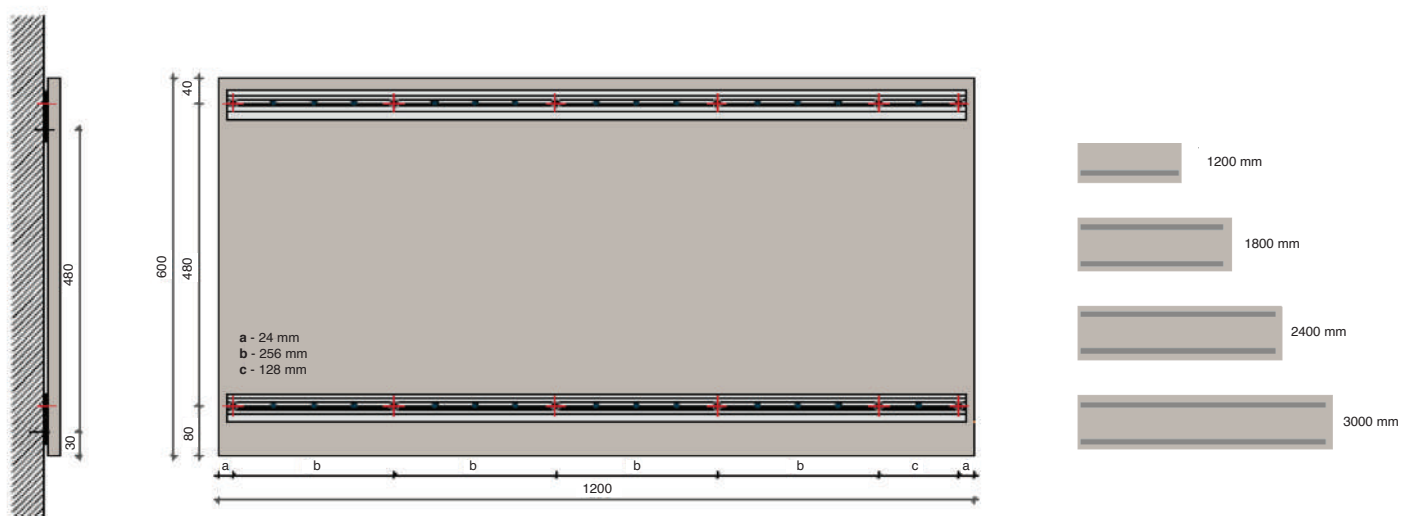
- 1. Aplicação em Paredes e Tectos.**
Application on walls and ceilings.
- 2. Classe de fogo de acordo com a norma EN 13501-1.**
Fire class according to EN 13501-1.
- 3. Não combustível A2 - S1, d0.**
Non - combustible A2 - S1, d0.
- 4. Possibilidade de pré-montagem da subestrutura.**
Possibility of pre-assembly of the sub structure.
- 5. Fácil Instalação.**
Easy Installation.
- 6. Pode ser desmontado com uma folga de 8mm.**
Can be disassembled with a clearance of 8mm.
- 7. Ajustável.**
Adjustable.



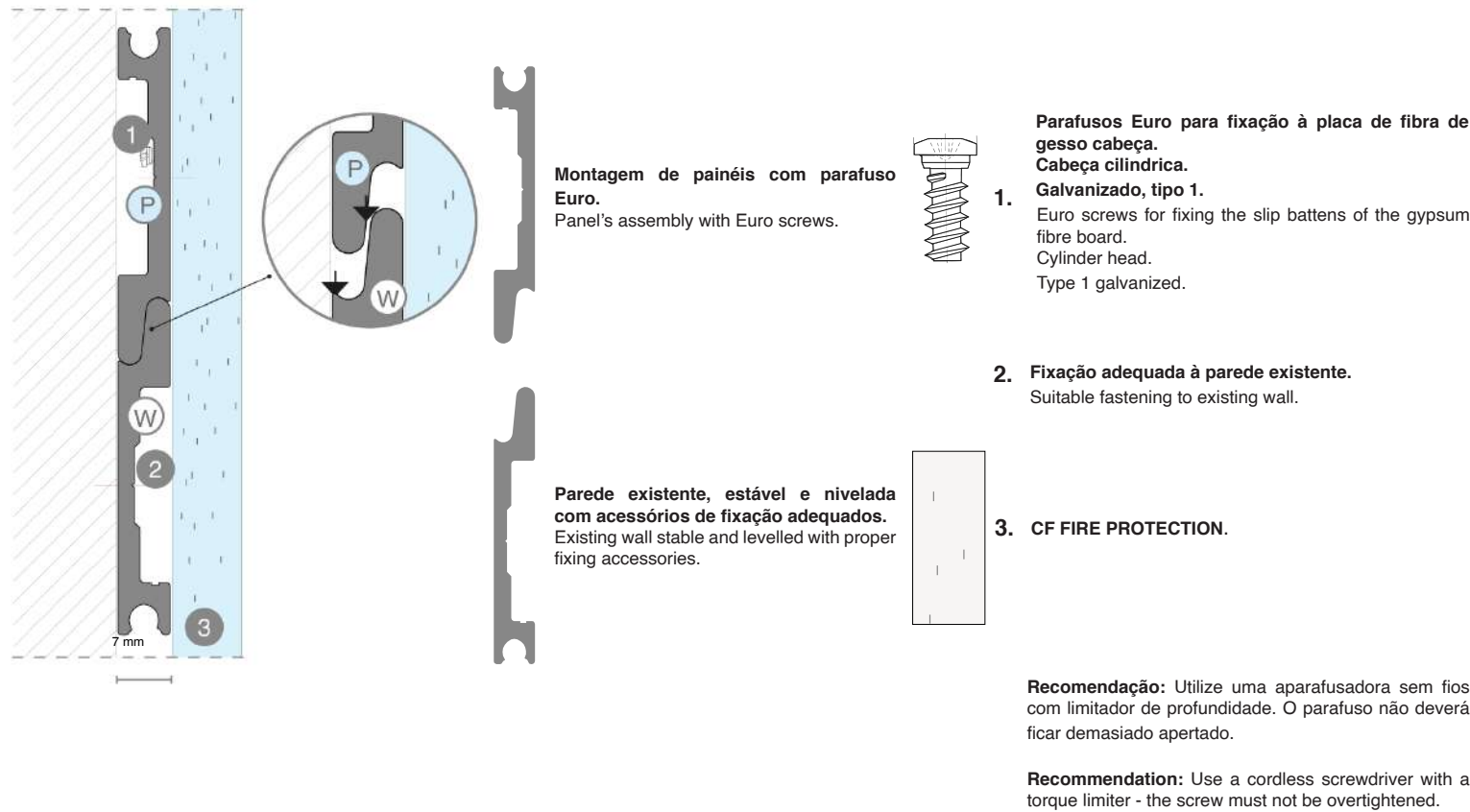
VERTICAL VERTICAL



HORIZONTAL HORIZONTAL



ALTERNATIVA PARA PAINÉIS PESADOS: SISTEMA DE PERFIS PARA PAREDES
ALTERNATIVE FOR HEAVY PANELS: WALL PROFILE SYSTEMS





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