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MANUFACTURER AND DISTRIBUTOR
OF CERAMIC TILES AND BUILDING PRODUCTS.
PORCELANOSA GROUP LIMITED

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TECHNICAL BOOK

-SUSPENDED CEILINGS-

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The suspended ceiling fonotech of **butech** (Porcelanosa Grupo) offer an ideal constructive solution in spaces that require have facilities of various kinds on the ceiling.

Its ease of handling when dealing with removable ceilings and the different mechanizations, will favor the adoption of a great variety of elements such as lighting, ventilation grilles, speakers, fire systems, as well as any system to be run through the ceiling eliminating completely the visual impact to be hidden inside the vault produced by the false ceiling.

This aesthetic function is complemented by the acoustic performance of our ceilings. Their different levels of drilling and various diameters of the same, absorb acoustic waves attenuating them by an acoustic veil thermoherded on the inside of the ceiling.

The range of ceilings fonotech of **butech** (Porcelanosa Grupo), provides its users with various models to adopt the ideal solution for every space, covering solutions adapted to large surfaces that require a constant handling (airports, hospitals, shopping centers, offices, etc.), high moisture environments and solutions that stand out for their elegance and beauty in representative areas (housing, meeting rooms, conference rooms, exhibition halls, etc.).

From **butech** (Porcelanosa Grupo) invite you to visit our false ceilings fonotech consulting this catalog, which will represent a help to guide you in selecting the constructive solution that best suits your project, giving the space a technical, aesthetic, practical and timeless solution.

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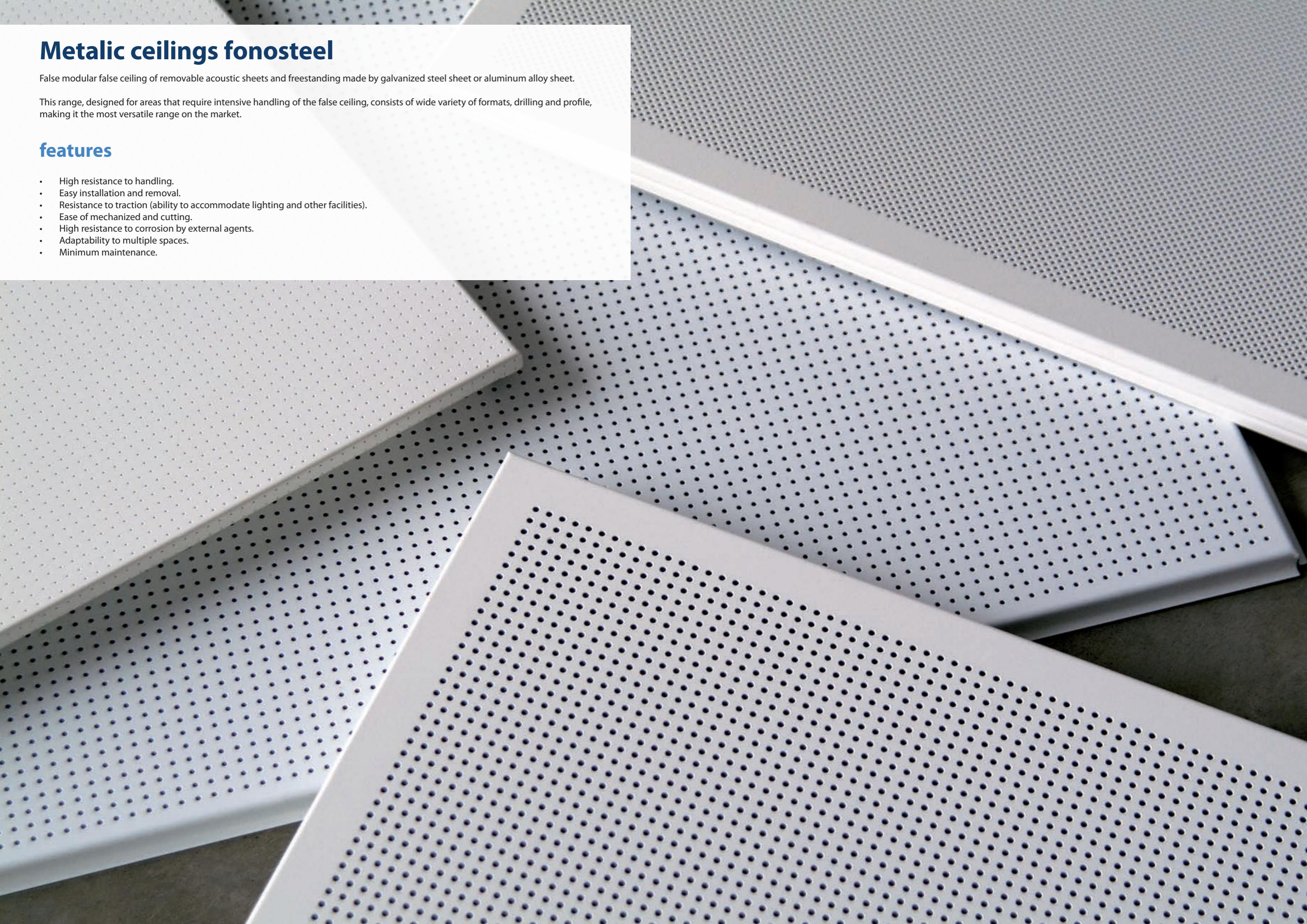
Metalic ceilings fonosteel

False modular false ceiling of removable acoustic sheets and freestanding made by galvanized steel sheet or aluminum alloy sheet.

This range, designed for areas that require intensive handling of the false ceiling, consists of wide variety of formats, drilling and profile, making it the most versatile range on the market.

features

- High resistance to handling.
- Easy installation and removal.
- Resistance to traction (ability to accommodate lighting and other facilities).
- Ease of mechanized and cutting.
- High resistance to corrosion by external agents.
- Adaptability to multiple spaces.
- Minimum maintenance.



Material

Galvanized steel tray

- Galvanized steel in cold lacquered in continuum.
- Galvanization treatment with 95 grams per square meter.
- Alloy of the coating 95% zinc and 5% aluminum.
- Thickness of 0.53 mm. +/- 5% according to accepted standards of iron and steel industry.
- Incombustible material M0.
- A2 s2 d0 Euroclass
- Material with high resistance to corrosion by treating postlacquered at two sides.



Aluminum tray

- Aluminum of alloy 3105 according to standard AA
- Hardness H16 according to UNI EN 10002.
- Thickness of 0.6 mm +/- 8% according to accepted standards of iron and steel industry.

Formats

- 600 x 600 mm

Mechanized

- Trays without drilling

Finish

Postlacquered RAL to choose

- Pretreatment of grease removal coating and phosphatized of the surface of the plate.
- Lacquered with electrostatic process with application of epoxy-polyester resins in thermosetting powder.

Structure

- Profile System T15 - T24, grade, specially designed for harsh environments.
- Profile of galvanized steel with polyester resin treatment for greater resistance to high moisture, fumes of chlorine and other corrosive elements.

Recommended uses

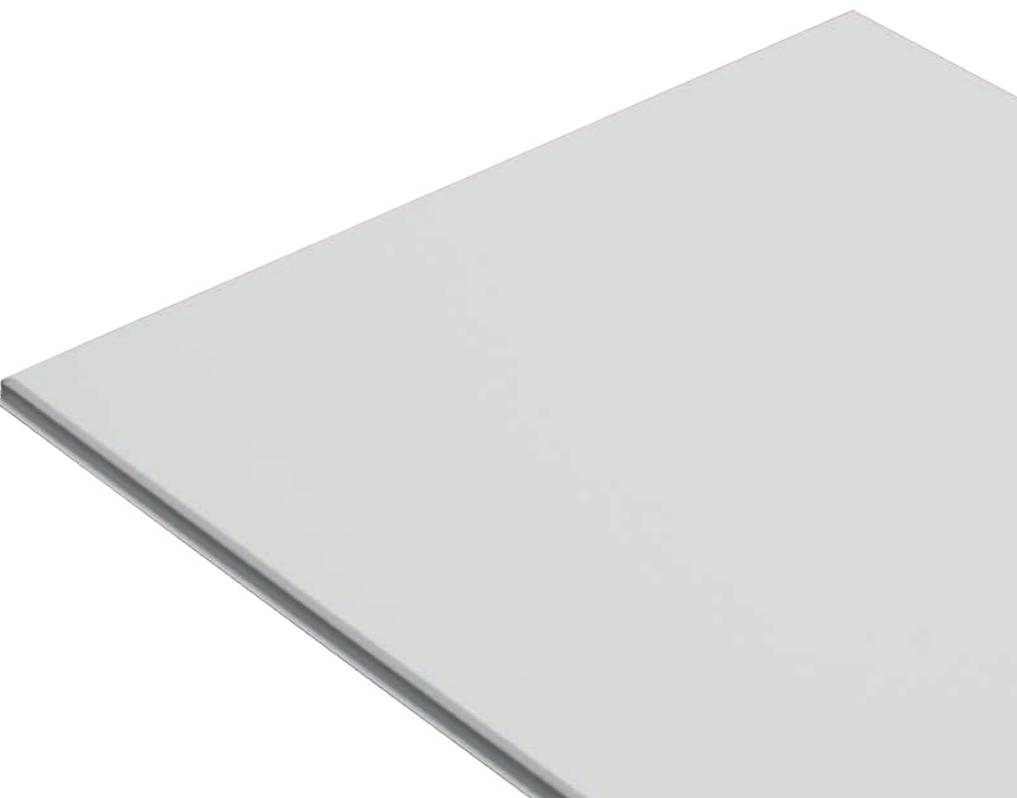
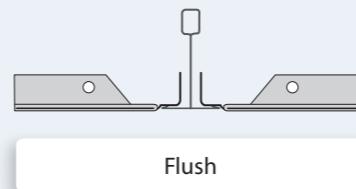
- Excellent solution for high humidity areas such as bathrooms, spas, indoor pools...

Packaging

- Cardboard boxes of 24 pieces. (8.64 m²/box).

References

PROFILE SYSTEM						
MODEL	FORMAT	FINISH	T 15 mm		T 24 mm	
			SAP	KEA	PRICE	SAP
			100104354	B65915219	47,33 p/m ²	100104357
LIS SPA	600x600	BLACK	100104353	B65915270	47,33 p/m ²	100104356
		STEEL	100104352	B65915290	47,33 p/m ²	100104355
		WHITE				B65915222
						47,33 p/m ²





steel lis

Material

Galvanized steel tray

- Galvanized steel in cold lacquered in continuum.
- Galvanization treatment with 95 grams per square meter.
- Alloy of the coating 95% zinc and 5% aluminum.
- Thickness of 0.53 mm. + - 5% according to accepted standards of iron and steel industry.
- Incombustible material M0.
- A2 s2 d0 Euroclass
- Material with high resistance to corrosion.

Aluminum tray

- Aluminum of alloy 3105 according to standard AA
- Hardness H16 according to UNI EN 10002.
- Thickness of 0.6 mm + - 8% according to accepted standards of iron and steel industry.

Formats

- 600 x 600 mm

Mechanized

- Trays without drilling.

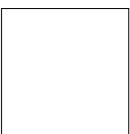
Finish

Prelacquered white / steel gray

- External surface: 5 micron of epoxy paint and 20 micron of white epoxy finish with 15° of brightness according to Gardner test at 60°.
- Internal surface: 3 microns of primer paint and 8 microns of epoxy finish

Black postlacquered / RAL to choose

- Pretreatment of grease removal coating and phosphatized of the surface of the plate.
- Lacquered with electrostatic process with application of epoxy-polyester resins in thermosetting powder.



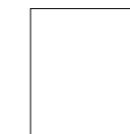
White



Steel



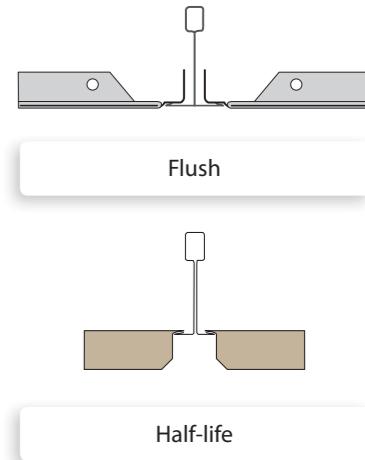
Black



RAL to choose

Structure

- Grid System T15 - T24, flush or half-life.



Packaging

- Cardboard boxes of 20 pieces. (7.2 m²/box). Half-life structure.
- Cardboard boxes of 24 pieces. (8.64 m²/box). Flush structure.

References

PROFILES SYSTEM					
T 15 mm			T 24 mm		
SAP	KEA	PRICE	SAP	KEA	PRICE
100104342	B65915235	30,66 p/m ²	100104348	B65915232	30,66 p/m ²
100104345	B65915247	30,66 p/m ²	100104351	B65915272	30,66 p/m ²
100104341	B65915223	24,80 p/m ²	100104347	B65915220	24,80 p/m ²
100104344	B65915226	24,80 p/m ²	100104350	B65915274	24,80 p/m ²
100104340	B65915217	24,80 p/m ²	100104346	B65915218	24,80 p/m ²
100104343	B65915242	24,80 p/m ²	100104349	B65915248	24,80 p/m ²



15



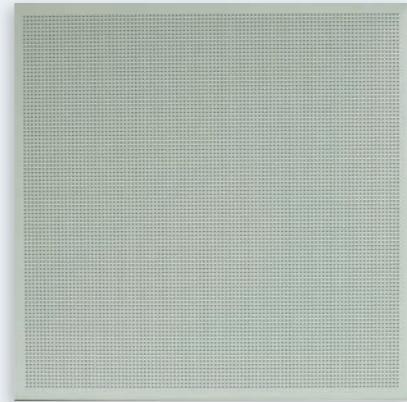
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steel estández

Material

Galvanized steel tray

- Galvanized steel in cold lacquered in continuum.
- Galvanization treatment with 95 grams per square meter.
- Alloy of the coating 95% zinc and 5% aluminum.
- Thickness of 0.53 mm. + - 5% according to accepted standards of iron and steel industry.
- Incombustible material M0.
- A2 s2 d0 Euroclass
- Material with high resistance to corrosion by treating postlacquered at two sides.



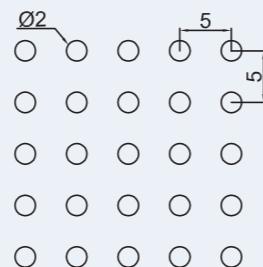
Aluminum tray

- Aluminum of alloy 3105 according to standard AA
- Hardness H16 according to UNI EN 10002.
- Thickness of 0.6 mm + - 8% according to accepted standards of iron and steel industry.

Formats

- 600 x 600 mm

Drilling detail



Mechanized

- Microperforated trays:
 - Ø 2/5X5/90°
 - Perforated in continuum.
 - Drilling diameter 2 mm to 5 mm of linear separation.
 - Drilled area without borders 13%.

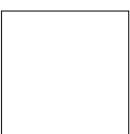
Finish

Prelacquered white / steel gray

- External surface: 5 micron of epoxy paint and 20 micron of white epoxy finish with 15° of brightness according to Gardner test at 60°.
- Internal surface: 3 microns of primer paint and 8 microns of epoxy finish

Black postlacquered / RAL to choose

- Pretreatment of grease removal coating and phosphatized of the surface of the plate.
- Lacquered with electrostatic process with application of epoxy-polyester resins in thermosetting powder.
- Thickness of the application layer 70 microns



White



Steel



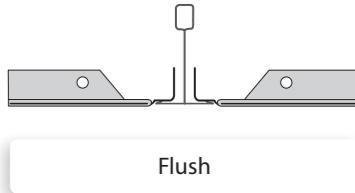
Black



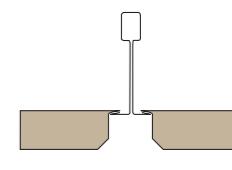
RAL to choose

Acoustic correction

- The perforated trays include on the inside a veil of fireproof fiber glass MO, adhered with thermo-melting glues without any kind of solvent. This veil will act as acoustic correction and particulates filter.
- Acoustic absorption aw = 0.70.



Flush



Half-life

Structure

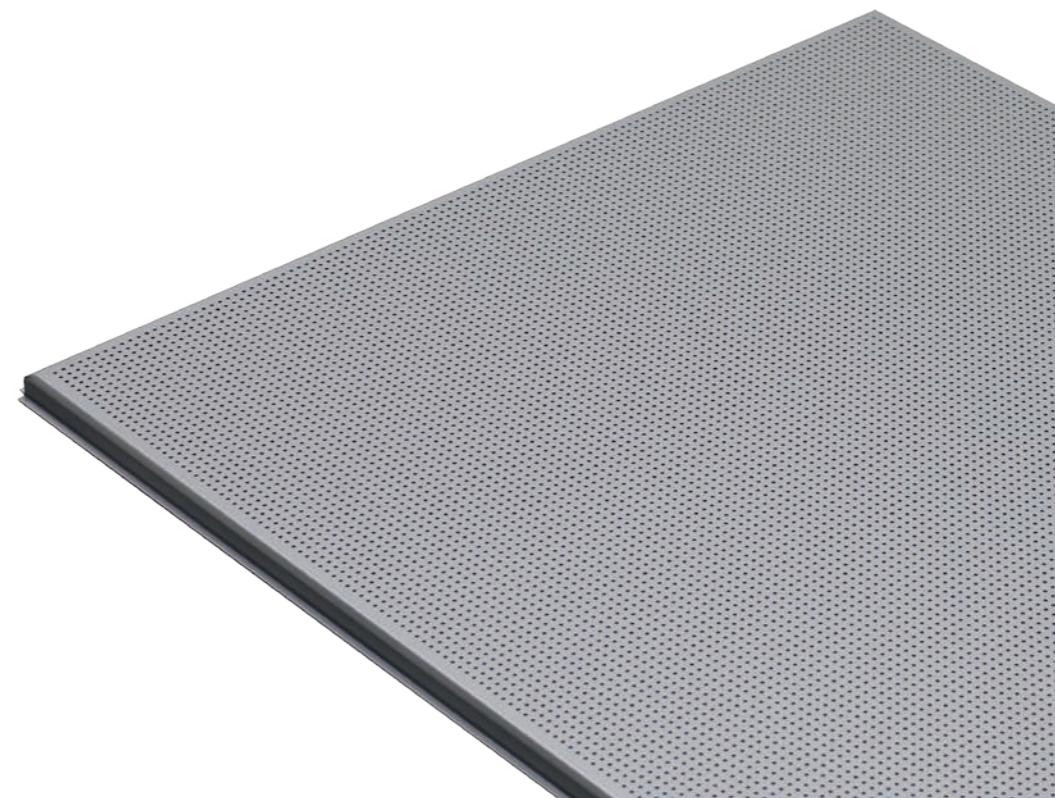
- Grid System T15 - T24, flush or half-life.

Packaging

- Cardboard boxes of 20 pieces. (7.2 m²/box). Half-life structure.
- Cardboard boxes of 24 pieces. (8.64 m²/box). Flush structure.

References

PROFILES SYSTEM						
T 15 mm			T 24 mm			
SAP	KEA	PRICE	SAP	KEA	PRICE	
STEEL ESTÁNDAR	600x600	BLACK	100104360	B65915257	36,02 p/m ²	100104366
			100104363	B65915260	36,02 p/m ²	100104369
	STEEL	HALF-LIFE	100104359	B65915261	30,77 p/m ²	100104365
			100104362	B65915221	30,77 p/m ²	100104368
	WHITE	FLUSH	100104358	B65915233	30,77 p/m ²	100104364
			100104361	B65915269	30,77 p/m ²	100104367



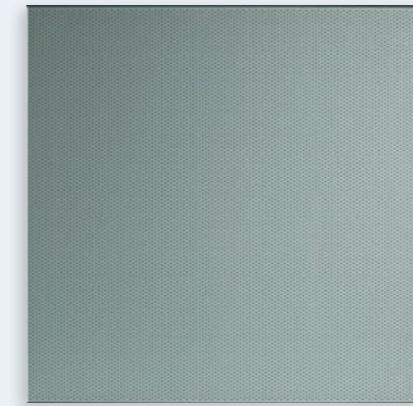


steel micro

Material

Galvanized steel tray

- Galvanized steel in cold lacquered in continuum. Galvanization treatment with 95 grams per square meter.
- Alloy of the coating 95% zinc and 5% aluminum.
- Thickness of 0.53 mm. + - 5% according to accepted standards of iron and steel industry.
- Incombustible material M0.
- A2 s2 d0 Euroclass
- Material with high resistance to corrosion.



Aluminum tray

- Aluminum of alloy 3105 according to standard AA
- Hardness H16 according to UNI EN 10002.
- Thickness of 0.6 mm + - 8% according to accepted standards of iron and steel industry.

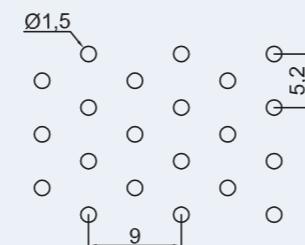
Formats

- 600 x 600 mm

Mechanized

- Microperforated trays:
 - Ø 1.5/5.2X5.2/60°
 - Drilled in continuum.
 - Drilling diameter 1.5 mm to 9 mm of linear separation.
 - Drilling arranged in lines at 60 degrees with 5.2 mm between the lines.
 - Drilled area without borders 13%.

Drilling detail



Finish

Prelacquered white / steel gray

- External surface: 5 micron of epoxy paint and 20 micron of white epoxy finish with 15" of brightness according to Gardner test at 60°.
- Internal surface: 3 microns of primer paint and 8 microns of epoxy finish

Black postlacquered / RAL to choose

- Pretreatment of grease removal coating and phosphatized of the surface of the plate.
- Lacquered with electrostatic process with application of epoxy-polyester resins in thermosetting powder.
- Thickness of the application layer 70 microns



White



Steel



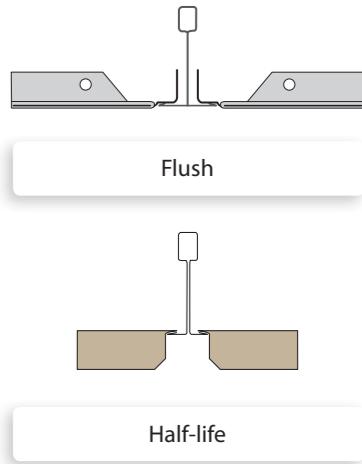
Black



RAL to choose

Acoustic correction

- The perforated trays include on the inside a veil of fireproof fiber glass MO, adhered with thermo-melting glues without any kind of solvent. This veil will act as acoustic correction and particulates filter.
- Acoustic absorption aw = 0.70.



Structure

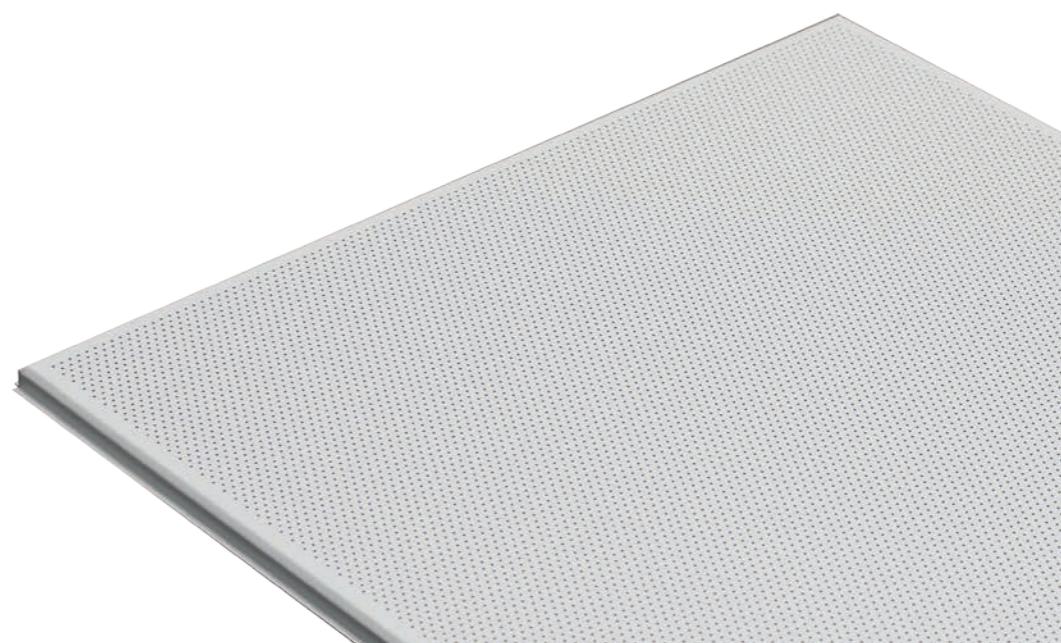
- Grid System T15 - T24, flush or half-life.

Packaging

- Cardboard boxes of 20 pieces. (7.2 m²/box). Half-life structure.
- Cardboard boxes of 24 pieces. (8.64 m²/box). Flush structure.

References

PROFILES SYSTEM						
T 15 mm				T 24 mm		
MODEL	FORMAT	FINISH	STRUCTURE	SAP	KEA	PRICE
STEEL MICRO	600x600	BLACK	FLUSH	100104372	B65915267	36,02 p/m²
			HALF-LIFE	100104375	B65915244	36,02 p/m²
	STEEL	FLUSH	FLUSH	100104371	B65915265	30,77 p/m²
		HALF-LIFE	HALF-LIFE	100104374	B65915288	30,77 p/m²
	WHITE	FLUSH	FLUSH	100104370	B65915262	30,77 p/m²
		HALF-LIFE	HALF-LIFE	100104373	B65915239	30,77 p/m²

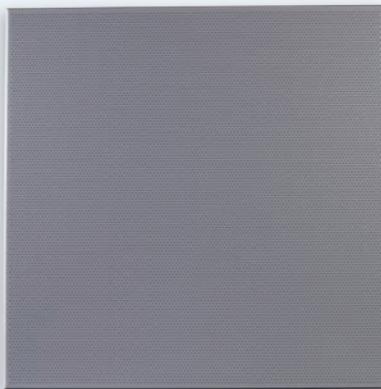


steel micro R

Material

Galvanized steel tray

- Galvanized steel in cold lacquered in continuum.
- Galvanization treatment with 95 grams per square meter.
- Alloy of the coating 95% zinc and 5% aluminum.
- Thickness of 0.53 mm. +- 5% according to accepted standards of iron and steel industry.
- Incombustible material M0.
- A2 s2 d0 Euroclass
- Material with high resistance to corrosion.



Aluminum tray

- Aluminum of alloy 3105 according to standard AA
- Hardness H16 according to UNI EN 10002.
- Thickness of 0.6 mm + - 8% according to accepted standards of iron and steel industry.

Formats

- 600 x 600 mm.
- 1200 x 300 mm.
- Up to 3000 mm x 300 mm.

Mechanized

- Trays without drilling.
- Microperforated trays: Formats 600x600 mm and 1200x300 mm:
 - Ø 1.5/5.2X5.2/60°
 - Drilled in continuum. Drilling diameter 1.5 mm to 9 mm of linear separation.
 - Drilling arranged in lines at 60 degrees with 5.2 mm between the lines.
 - Drilled area without borders 11%.
- Drilled trays. Variable format up to 3000x300 mm:
 - Ø 2/5X5/90°
 - Drilled in continuum. Drilling diameter 2 mm to 5 mm of squares separation.
 - Drilled area 13%.

Finish

prelacquered white / gray steel

- External surface: 5 micron of epoxy paint and 20 micron of white epoxy finish with 15° of brightness according to Gardner test at 60°.
- Internal surface: 3 microns of primer paint and 8 microns epoxy finish.

postlacquered black / RAL to choose

- Pretreatment of grease removal coating and phosphatized of the surface of the plate.
- Lacquered with electrostatic process with application of epoxy-polyester resins in thermosetting powder
- Thickness of the application layer 70 microns.



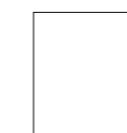
White



Steel



Black



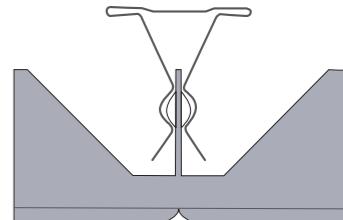
RAL to choose

Acoustic correction

- The perforated trays include on the inside a veil of fireproof fiber glass MO, adhered with thermo-melting glues without any kind of solvent. This veil will act as acoustic correction and particulates filter.
- Acoustic absorption aw = 0.70.

Structure

- Hidden profile system clip-in type.



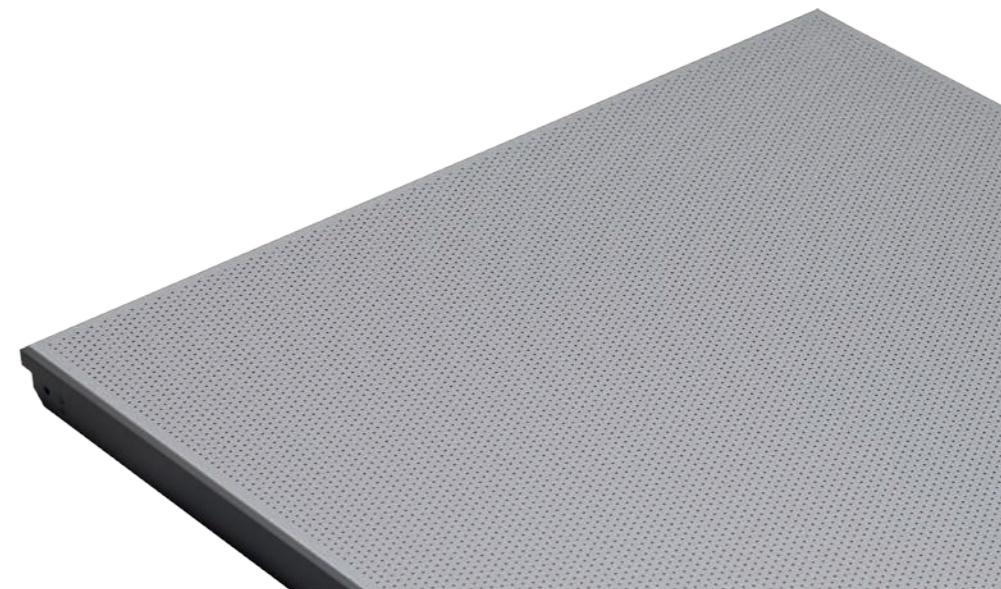
Clip-in

Packaging

- Cardboard boxes of 20 pieces. (7.2 m²/box). 600x600 mm and 1200x300 mm formats

References

MODEL	FORMAT	FINISH	MECHANIZED	CLIP-IN PROFILE		
				SAP	KEA	PRICE
STEEL MICRO R	600x600	BLACK	SMOOTH	100104384	B65915234	32,72 p/m ²
			MICROPERFORATED	100104387	B65915297	35,61 p/m ²
		WHITE	SMOOTH	100104382	B65915231	25,42 p/m ²
			MICROPERFORATED	100104385	B65915249	30,15 p/m ²
	300x1200	STEEL	SMOOTH	100104383	B65915245	25,42 p/m ²
			MICROPERFORATED	100104386	B65915228	30,15 p/m ²
		BLACK	SMOOTH	100104390	B65915271	32,72 p/m ²
			MICROPERFORATED	100104393	B65915313	35,61 p/m ²
	300x300	WHITE	SMOOTH	100104388	B65915293	25,42 p/m ²
			MICROPERFORATED	100104391	B65915259	30,15 p/m ²
		STEEL	SMOOTH	100104389	B65915230	25,42 p/m ²
			MICROPERFORATED	100104392	B65915284	30,15 p/m ²
		BLACK	SMOOTH	100104396	B65915266	32,72 p/m ²
			MICROPERFORATED	100104399	B65915298	35,61 p/m ²
		WHITE	SMOOTH	100104394	B65915281	25,42 p/m ²
			MICROPERFORATED	100104397	B65915287	30,15 p/m ²
		STEEL	SMOOTH	100104395	B65915283	25,42 p/m ²
			MICROPERFORATED	100104398	B65915227	30,15 p/m ²









steel micro P100

Material

- Galvanized steel.
- Galvanization treatment with 100 grams per square meter. (DX51D + Z100 according to EN 10346)
- Thickness of 0.50 mm.
- Material M1.
- Euroclass B s1 d0
- Material with high resistance to corrosion.



References

PROFILE SYSTEM		
GROOVED 100 mm		
MODEL	FORMAT	FINISH
STEEL MICRO P100	1200x300	WHITE

SAP KEA PRICE
100150674 B65915694 30,15 p/m²

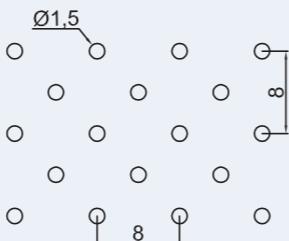
Formats

- 1200 x 300 mm

Mechanized

- Ø 1.5/8X8/45°
- Drilled in continuum. Drilling diameter 1.5 mm to 8 mm of linear separation.
- Drilling arranged in lines at 45 degrees with 8 mm between the lines.
- Drilled area 11% with borders.

Drilling detail



Finish

- External surface: base layer of 5 micron of epoxy paint and final coating of polyester resin 25 microns.
- Internal surface: 5 microns of polyester resin.



White

Acoustic correction

- The perforated trays include on the inside a veil of fireproof fiber glass MO, adhered with thermo-melting glues without any kind of solvent. This veil will act as acoustic correction and particulates filter.



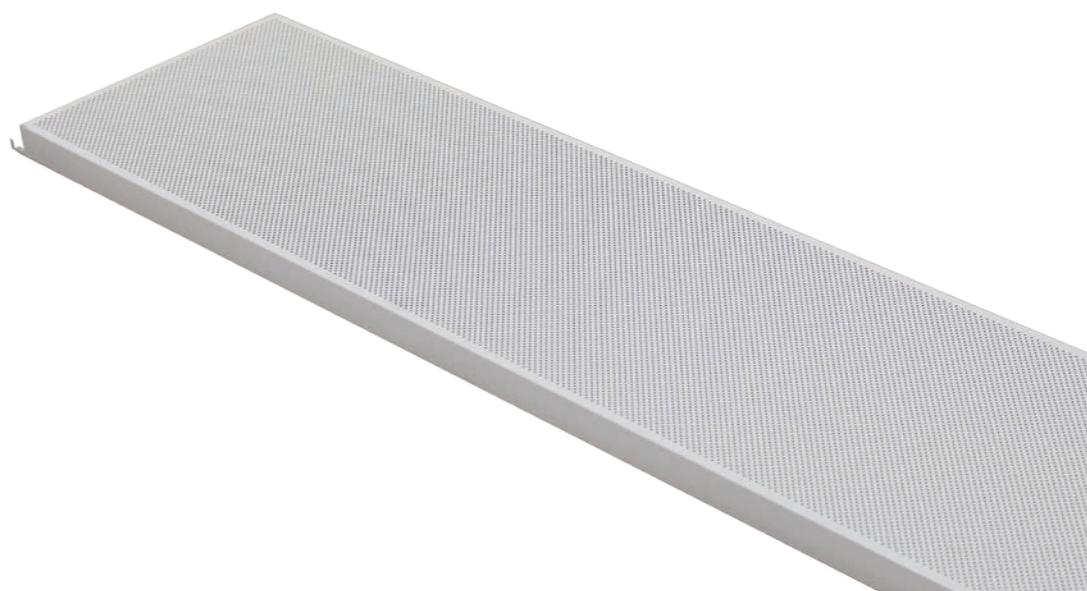
Grooved

Structure

- Profile system grooved of 100 mm width

Packaging

- Cardboard boxes of 8 pieces. (6.48 m²/box)



steel extramicro

Material

- Electro-galvanized steel according EN10152/1994 normal.
- Thickness of 0.50 mm.
- Incombustible material MO.
- Resistance to moisture 70% RH between 16 °C and 23 °C.
- Thermal conductivity 50 W / mK, being the the conductivity of the acoustic veil of 0.04 W / mK



References

PROFILE SYSTEM		
T24 HALF-HIDDEN		
SAP	KEA	PRICE
STEEL EXTRAMICRO	600x600	WHITE
100004472	B65902002	40,69 p/m ²
STEEL EXTRAMICRO	600x600	STEEL
100004475	B65902005	40,69 p/m ²

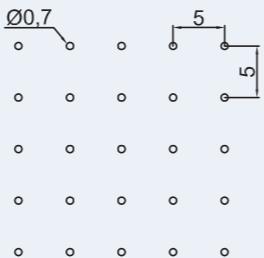
Formats

- 600 x 600 mm

Mechanized

- Drilled on-line. Drilling diameter 0.7 mm
- Drilled area without borders 1%

Drilling detail



Finish

White

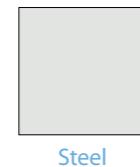
- Brightness according to ISO-2113 of 20%.
- Reflection of Light 85%. According to ASTM 1477-98

Steel

- Brightness according to ISO-2113 of 30%.



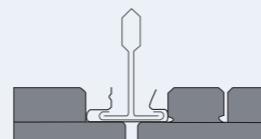
White



Steel

Acoustic correction

- The perforated trays include on the inside a veil of fireproof fiber glass MO, adhered with thermo-melting glues without any kind of solvent. This veil will act as acoustic correction and particulates filter.
- Acoustic absorption aw = 0.75.
- Acoustic attenuation Dncw = 30 dB.



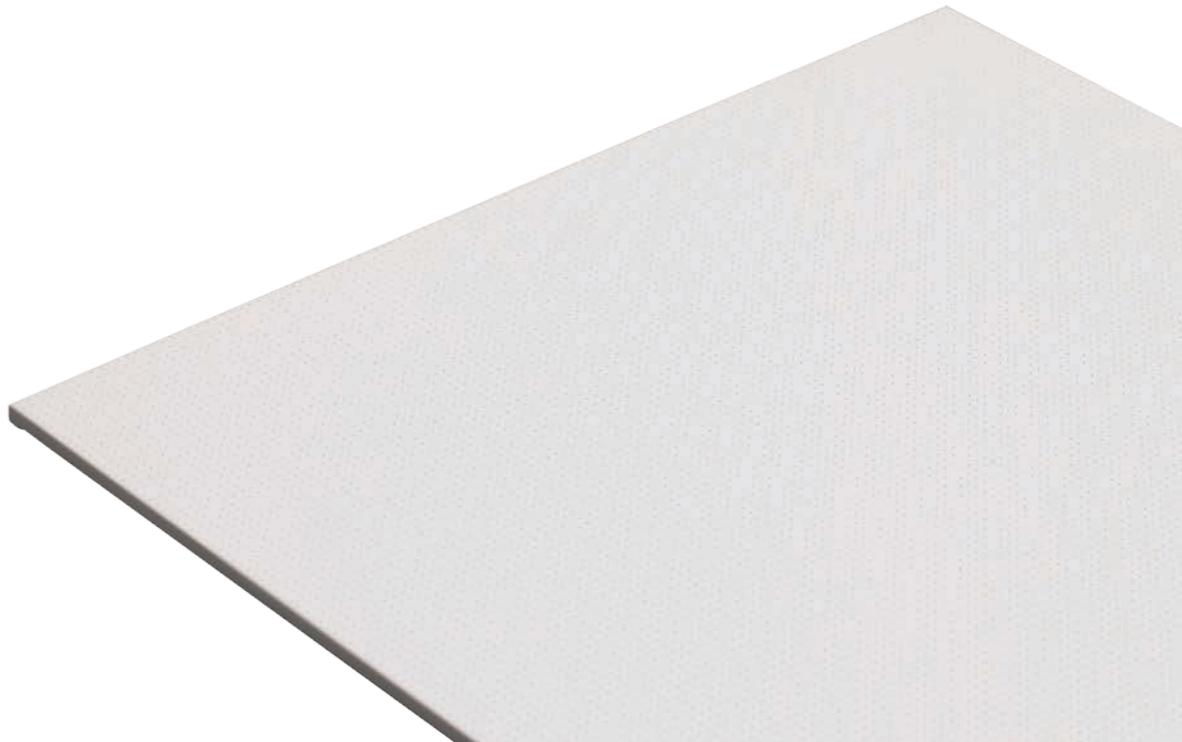
Half-hidden

Structure

- Half-hidden profile System T24 being visible 6 mm among plates.

Packaging

- Cardboard boxes of 10 pieces. (3.6 m²/box)

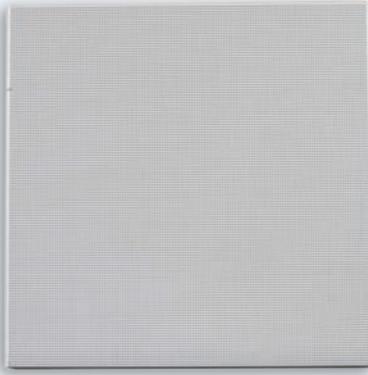




steel especial II N

Material

- Galvanized steel.
- Galvanization treatment with 100 grams per square meter. (DX51D + Z100 according to EN 10346)
- Thickness of 0.50 mm.
- Material M1.
- Euroclass B s1 d0
- Material with high resistance to corrosion.



References

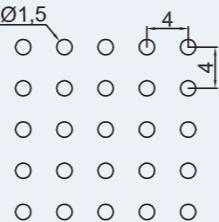
PROFILE SYSTEM		
T15 mm GRADIENT		
MODEL	FORMAT	FINISH
STEEL ESPECIAL II N	600x600	WHITE

SAP B65915678 25,31 p/m²

Formats

- 600 x 600 mm

Drilling detail



Mechanized

- Drilling diameter 1,5 mm to 4 mm linear separation.
- Drilled area with 6 mm borders, 11%.

Finish

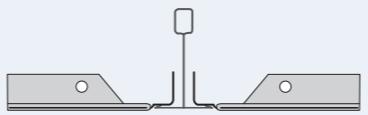
- External surface: base layer of 5 micron of epoxy paint and final coating of polyester resin 25 microns.
- Internal surface: 5 microns of polyester resin.



White

Acoustic correction

- The perforated trays include on the inside a veil of fireproof fiber glass MO, adhered with thermo-melting glues without any kind of solvent. This veil will act as acoustic correction and particulates filter.
- Acoustic absorption aw = 0.65



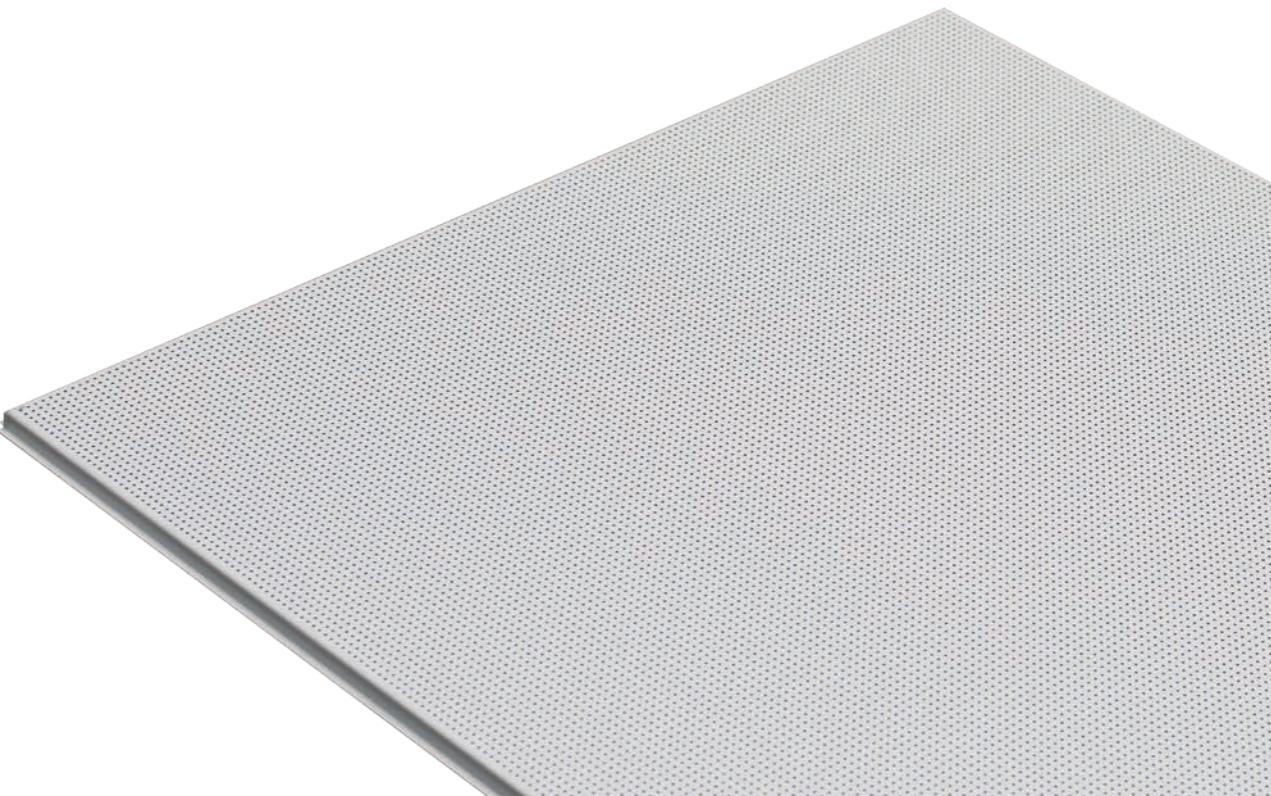
Structure

- Profile system T15, gradient.

Flush

Packaging

- Cardboard boxes of 18 pieces. (6.48 m²/box)



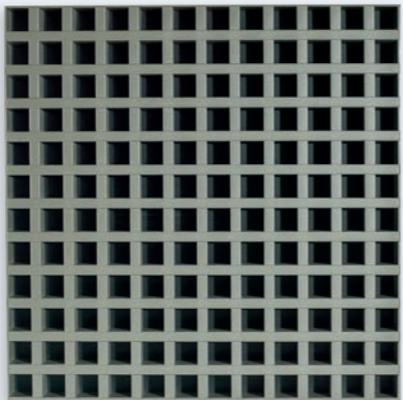


steel grid

Material

Galvanized steel tray

- Galvanized steel in cold lacquered in continuum.
- Galvanization treatment with 95 grams per square meter.
- Alloy of the coating 95% zinc and 5% aluminum.
- Thickness of 0.60 mm. +- 5% according to accepted standards of iron and steel industry.
- Incombustible material M0.
- A2 s2 d0 Euroclass
- Resistance to corrosion, 1000 hours according to test DIN 50017.
- Saline resistance saline, 300 hours according to test DIN 50021.



Aluminum tray

- Aluminum of alloy HD5050 according to standard AA, EN1396 and ECCA
- Hardness H16 according to UNI EN 10002.
- Thickness of 0.6 mm + - 8% according to accepted standards of iron and steel industry.

Formats

- 600 x 600 mm.

Mechanized

- Grid 50 x 50 mm

Finish

Prelacquered white / gray steel

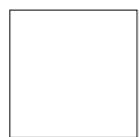
- External surface: 5 micron of epoxy paint and 20 micron of white epoxy finish with 15" of brightness according to Gardner test at 60°.
- Internal surface: 3 microns of primer paint and 8 microns epoxy finish.



White



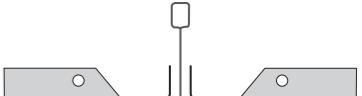
Steel



RAL to choose

Structure

- Flush profile system of 15 mm, being integrated with the trays for having the same width as the grid.



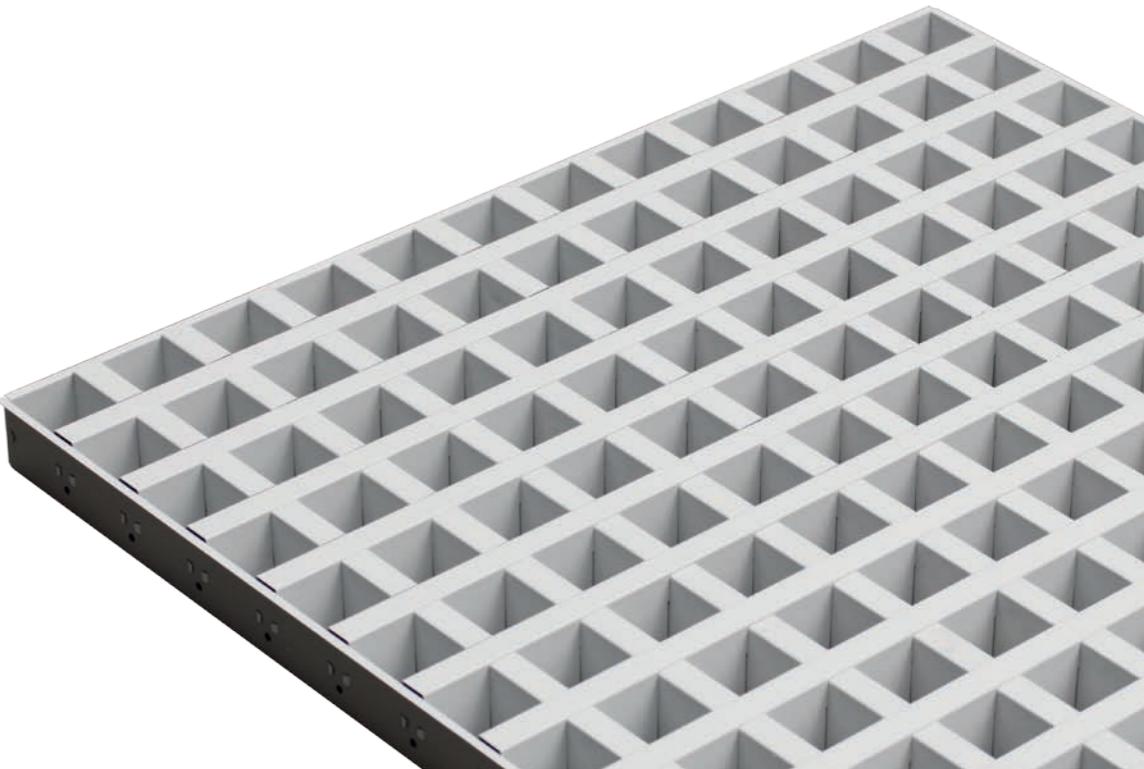
Flush

Packaging

- Cardboard boxes of 5 pieces. (1.8 m²/box)

References

PROFILE SYSTEM		
GRADIENT		
MODEL	FORMAT	FINISH
STEEL GRID	600x600	WHITE
		STEEL
100104400	B65915296	69,97 p/m ²
100104401	B65915312	69,97 p/m ²







Wooden ceiling fonowood

Modular false ceiling of acoustic panels removable and self-supporting of sheet of MDF with coating of sheet melamine fireproof with different finishes imitation wood.

Ceilings range brings great elegance and distinction to the representative spaces, as well as warmth and comfort in private housing.

features

- Ceilings range to profile gradient of 24 mm easy installation and removal.
- Fireproof melamine Euroclass B-s2, d0 according to UNE EN 1350Z-1: 2002.
- Resistance to swelling in water according to EN317 standard (15% in 24h).
- High impact resistance (method of spring: 8 n, according to EN323).
- Different types of mechanization.
- Ease of handling and cutting for the installation of various systems.
- Minimum maintenance.
- High fonoabsorbency ability.



fonowood ontario

Material

- Fiber board MDF 12 mm thick.
- Fireproof material euroclass B-s2, d0 according to UNE EN 13501:1.
- Impact resistance by the method of 8N spring, according to EN 438 / 2.
- Dimensional tolerance
 - Width = +/- 0.33 mm.
 - Large = +/- 0.30 mm.
- Percentage of moisture 7 + / - 3%. According to EN 322.
- Swelling in water (24h.) 15%. According to EN 317.
- Weight = 9.9 kg/m². According to EN 323.

Available formats

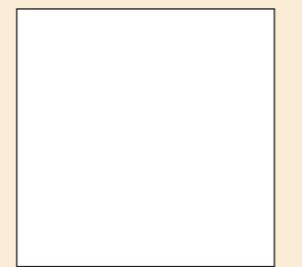
- 600 x 600 mm.
- 1200 x 600 mm.
- 1200 x 300 mm.

Mechanized

- Flat panel without drilling.

Finish

- Fireproof melamine sheet with imitation wood finish
- Available finishes:



Maple



Beech



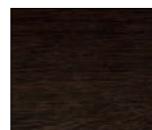
Oak



Pear tree



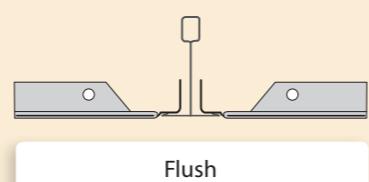
Cherry



Wenge

Structure

- Flush profile system of 24 mm with lacquered finishes with finish in black and steel colors or finish melamine in ceiling panels.



Packaging

- Cardboard boxes of 6 pieces. (2.16 m²/box). At 600 x 600 mm and 1200 x 300 mm formats.
- Cardboard boxes of 3 pieces. (2.16 m²/box). In 1200 x 600 mm format.

References

MODEL	FINISH	FORMATS	GRADIENT PROFILE					
			MELAMINE			BLACK		
			SAP	KEA	PRICE	SAP	KEA	PRICE
ONTARIO	MAPLE	1200x300	100105929	B65915476	84,38 p/m ²	100105917	B65915522	61,22 p/m ²
		1200x600	100105911	B65915483	74,50 p/m ²	100105899	B65915434	53,41 p/m ²
		600x600	100105893	B65915430	74,50 p/m ²	100105881	B65915402	53,41 p/m ²
	CHERRY	1200x300	100105931	B65915456	84,38 p/m ²	100105919	B65915471	61,22 p/m ²
		1200x600	100105913	B65915472	74,50 p/m ²	100105901	B65915460	53,41 p/m ²
		600x600	100105895	B65915453	74,50 p/m ²	100105883	B65915419	53,41 p/m ²
	BEECH	1200x300	100105930	B65915433	84,38 p/m ²	100105918	B65915490	61,22 p/m ²
		1200x600	100105912	B65915481	74,50 p/m ²	100105900	B65915449	53,41 p/m ²
		600x600	100105894	B65915411	74,50 p/m ²	100105882	B65915464	53,41 p/m ²
	PEAR TREE	1200x300	100105933	B65915517	84,38 p/m ²	100105921	B65915425	61,22 p/m ²
		1200x600	100105915	B65915486	74,50 p/m ²	100105903	B65915437	53,41 p/m ²
		600x600	100105897	B65915444	74,50 p/m ²	100105885	B65915412	53,41 p/m ²
	OAK	1200x300	100105932	B65915491	84,38 p/m ²	100105920	B65915504	61,22 p/m ²
		1200x600	100105914	B65915494	74,50 p/m ²	100105902	B65915426	53,41 p/m ²
		600x600	100105896	B65915439	74,50 p/m ²	100105884	B65915463	53,41 p/m ²
	WENGE	1200x300	100105928	B65915509	84,38 p/m ²	100105916	B65915468	61,22 p/m ²
		1200x600	100105910	B65915443	74,50 p/m ²	100105898	B65915461	53,41 p/m ²
		600x600	100105892	B65915429	74,50 p/m ²	100105880	B65915407	53,41 p/m ²

* Available with steel color profiles. Consult our commercial.





fonowood alliance

Material

- Fiber board MDF 12 mm thick.
- Fireproof material euroclass B-s2, d0 according to UNE EN 13501:1.
- Impact resistance by the method of 8N spring, according to EN 438 / 2.
- Dimensional tolerance
 - Width = +/- 0.33 mm.
 - Large = +/- 0.30 mm.
- Percentage of moisture 7 +/- 3%. According to EN 322.
- Swelling in water (24h.) 15%. According to EN 317.
- Weight = 9.9 kg/m². According to EN 323.

Available formats

- 600 x 600 mm.
- 1200 x 600 mm.
- 1200 x 300 mm.

Mechanized

- Drilling diameter 8 mm to 32 mm of linear separation.
- Drilling arranged in diagonal with 16 mm between the lines.
- Drilled area without borders 7.79%.

Finish

- Fireproof melamine sheet with imitation wood finish
- Available finishes:



Maple

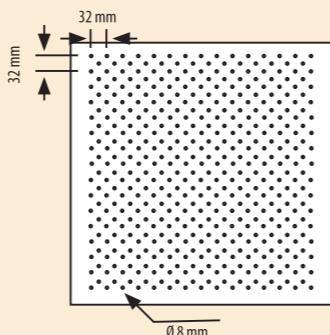
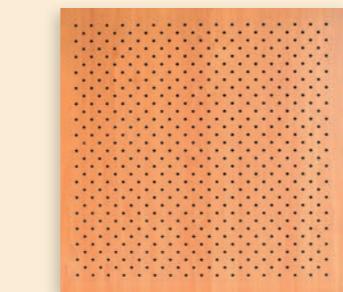
Beech

Oak

Pear tree

Cherry

Wenge

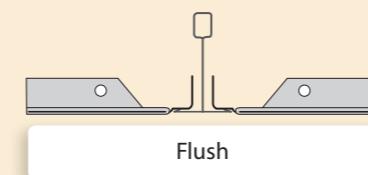


Acoustic correction

- The perforated panels include on the inside a veil of fireproof fiber glass MO, adhered with thermo-melting glues without any kind of solvent. This veil will act as acoustic correction and particulates filter.
- Acoustic absorption aw = 0.55(M).

Structure

- Flush profile system of 24 mm with lacquered finishes with finish in black and steel colors or finish melamine in ceiling panels.



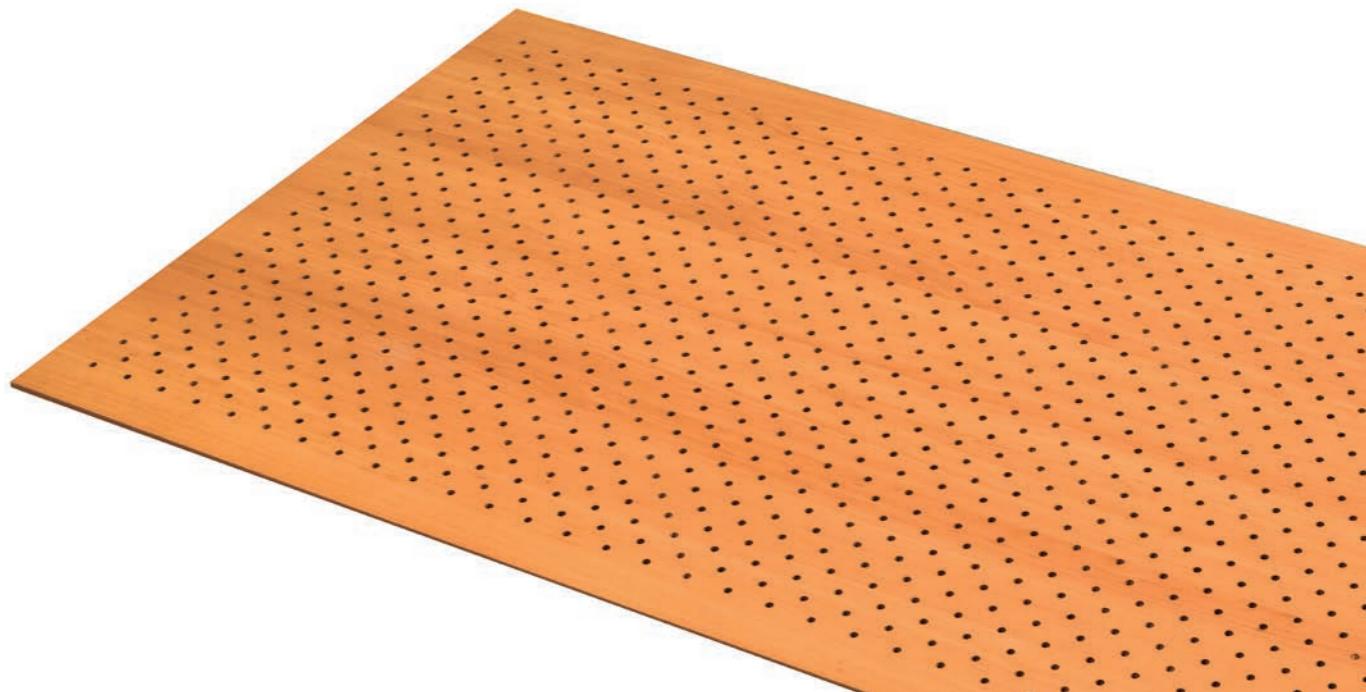
Packaging

- Cardboard boxes of 6 pieces. (2.16 m²/box). At 600 x 600 mm and 1200 x 300 mm formats.
- Cardboard boxes of 3 pieces. (2.16 m²/box). In 1200 x 600 mm format.

References

MODEL	FINISH	GRADIENT PROFILE					
		MELAMINE			BLACK		
		SAP	KEA	PRICE	SAP	KEA	PRICE
ALLIANCE	MAPLE	100106037	B65915535	104,96 p/m ²	100106025	B65915556	83,35 p/m ²
		100106019	B65915585	93,64 p/m ²	100106007	B65915532	70,79 p/m ²
		100106001	B65915511	93,64 p/m ²	100105989	B65915571	70,79 p/m ²
	CHERRY	100106039	B65915559	104,96 p/m ²	100106027	B65915570	83,35 p/m ²
		100106021	B65915540	93,64 p/m ²	100106009	B65915544	70,79 p/m ²
		100106003	B65915548	93,64 p/m ²	100105991	B65915526	70,79 p/m ²
	BEECH	100106038	B65915576	104,96 p/m ²	100106026	B65915520	83,35 p/m ²
		100106020	B65915572	93,64 p/m ²	100106008	B65915564	70,79 p/m ²
		100106002	B65915525	93,64 p/m ²	100105990	B65915536	70,79 p/m ²
	PEAR TREE	100106041	B65915537	104,96 p/m ²	100106029	B65915423	83,35 p/m ²
		100106023	B65915541	93,64 p/m ²	100106011	B65915531	70,79 p/m ²
		100106005	B65915487	93,64 p/m ²	100105993	B65915533	70,79 p/m ²
	OAK	100106040	B65915560	104,96 p/m ²	100106028	B65915427	83,35 p/m ²
		100106022	B65915563	93,64 p/m ²	100106010	B65915553	70,79 p/m ²
		100106004	B65915516	93,64 p/m ²	100105992	B65915521	70,79 p/m ²
	WENGE	100106036	B65915557	104,96 p/m ²	100106024	B65915501	83,35 p/m ²
		100106018	B65915549	93,64 p/m ²	100106006	B65915514	70,79 p/m ²
		100106000	B65915587	93,64 p/m ²	100105988	B65915506	70,79 p/m ²

* Available with steel color profiles. Consult our commercial.



fonowood cree

Material

- Fiber board MDF 12 mm thick.
- Fireproof material euroclass B-s2, d0 according to UNE EN 1350Z-1:2002.
- Impact resistance by the method of 8N spring, according to EN 438 / 2.
- Dimensional tolerance
 - Width = +/- 0.33 mm.
 - Large = +/- 0.30 mm.
- Percentage of moisture 7 +/- 3%. According to EN 322.
- Swelling in water (24h.) 15%. According to EN 317.
- Weight = 9.9 kg/m². According to EN 323.

Available formats

- 600 x 600 mm.
- 1200 x 600 mm.
- 1200 x 300 mm.

Mechanized

- Lineal drillings 6 x 55 mm.
- Drilled area without borders 10.39%.

Finish

- Fireproof melamine sheet with imitation wood finish
- Available finishes:



Maple



Beech



Oak



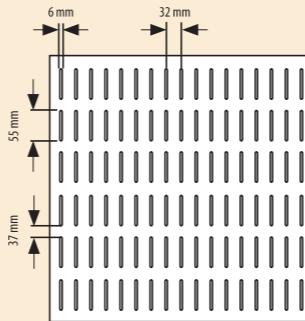
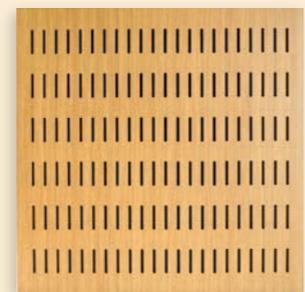
Pear tree



Cherry



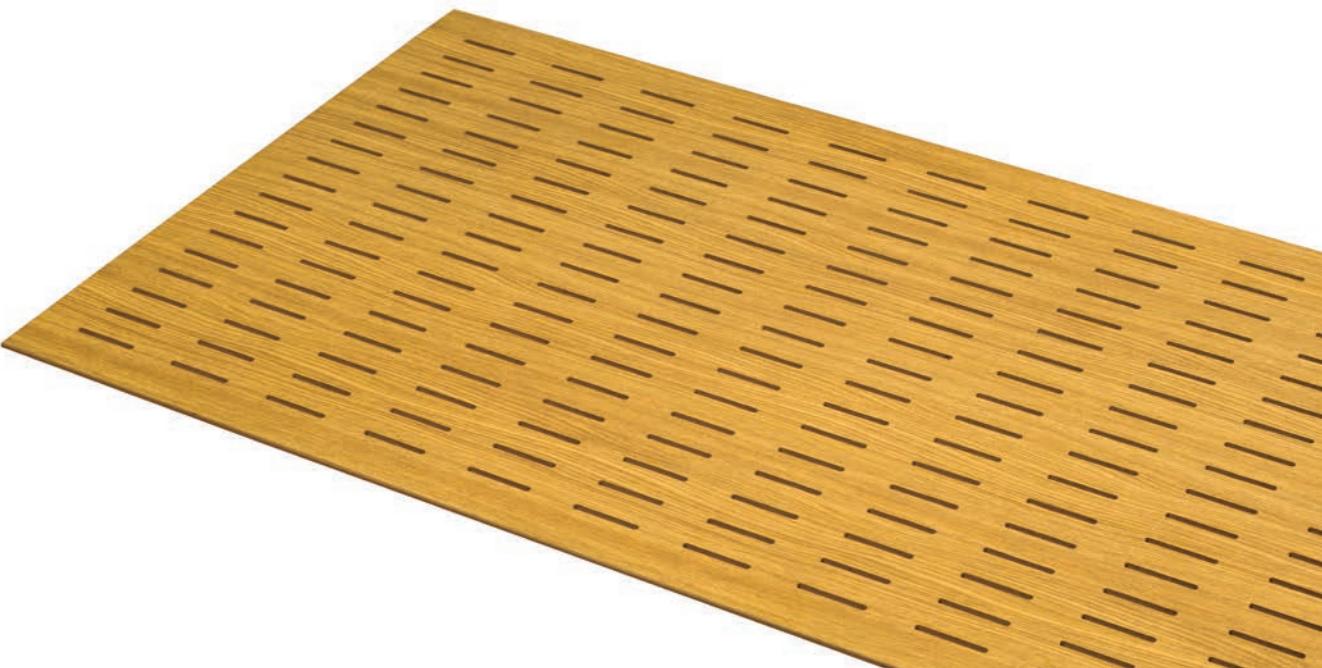
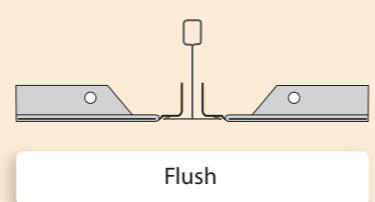
Wenge



References

MODEL	FINISH	FORMATS	GRADIENT PROFILE					
			MELAMINE			BLACK		
			SAP	KEA	PRICE	SAP	KEA	PRICE
CREE	MAPLE	1200x300	100105875	B65915420	122,45 p/m ²	100105863	B65915385	100,43 p/m ²
		1200x600	100105857	B65915435	106,98 p/m ²	100105845	B65915405	85,00 p/m ²
		600x600	100105839	B65915386	106,98 p/m ²	100105827	B65915372	85,00 p/m ²
	CHERRY	1200x300	100105877	B65915380	122,45 p/m ²	100105865	B65915382	100,43 p/m ²
		1200x600	100105859	B65915410	106,98 p/m ²	100105847	B65915441	85,00 p/m ²
		600x600	100105841	B65915398	106,98 p/m ²	100105829	B65915388	85,00 p/m ²
	BEECH	1200x300	100105876	B65915422	122,45 p/m ²	100105864	B65915462	100,43 p/m ²
		1200x600	100105858	B65915470	106,98 p/m ²	100105846	B65915378	85,00 p/m ²
		600x600	100105840	B65915394	106,98 p/m ²	100105828	B65915397	85,00 p/m ²
	PEAR TREE	1200x300	100105879	B65915438	122,45 p/m ²	100105867	B65915408	100,43 p/m ²
		1200x600	100105861	B65915409	106,98 p/m ²	100105849	B65915431	85,00 p/m ²
		600x600	100105843	B65915451	106,98 p/m ²	100105831	B65915374	85,00 p/m ²
	OAK	1200x300	100105878	B65915446	122,45 p/m ²	100105866	B65915377	100,43 p/m ²
		1200x600	100105860	B65915399	106,98 p/m ²	100105848	B65915384	85,00 p/m ²
		600x600	100105842	B65915393	106,98 p/m ²	100105830	B65915391	85,00 p/m ²
	WENGE	1200x300	100105874	B65915440	122,45 p/m ²	100105862	B65915465	100,43 p/m ²
		1200x600	100105856	B65915401	106,98 p/m ²	100105844	B65915383	85,00 p/m ²
		600x600	100105838	B65915455	106,98 p/m ²	100105826	B65915373	85,00 p/m ²

* Available with steel color profiles. Consult our commercial.



Structure

- Flush profile system of 24 mm with lacquered finishes with finish in black and steel colors or finish melamine in ceiling panels.

Packaging

- Cardboard boxes of 6 pieces. (2.16 m²/box). At 600 x 600 mm and 1200 x 300 mm formats.
- Cardboard boxes of 3 pieces. (2.16 m²/box). In 1200 x 600 mm format.



fonowood st. laurent

Material

- Fiber board MDF 12 mm thick.
- Fireproof material euroclass B-s2, d0 according to UNE EN 1350Z-1:2002.
- Impact resistance by the method of 8N spring, according to EN 438 / 2.
- Dimensional tolerance
 - Width = +/- 0.33 mm.
 - Large = +/- 0.30 mm.
- Percentage of moisture 7 +/- 3%. According to EN 322.
- Swelling in water (24h.) 15%. According to EN 317.
- Weight = 9.9 kg/m². According to EN 323.

Available formats

- 600 x 600 mm.
- 1200 x 600 mm.
- 1200 x 300 mm.

Mechanized

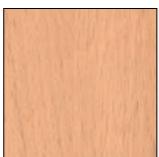
- Drilling in squares of 50 x 46 mm.
- Drilled area without borders 25.59%.

Finish

- Fireproof melamine sheet with imitation wood finish
- Available finishes:



Maple



Beech



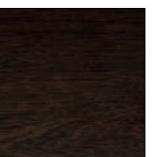
Oak



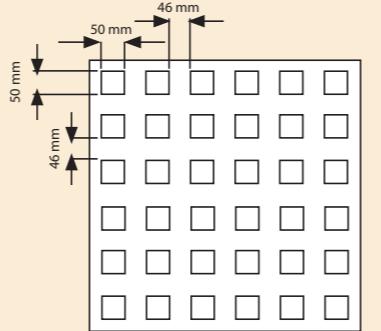
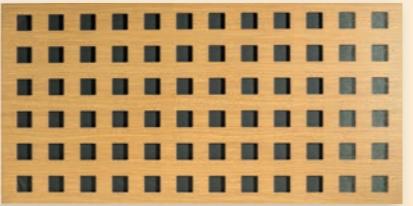
Pear tree



Cherry



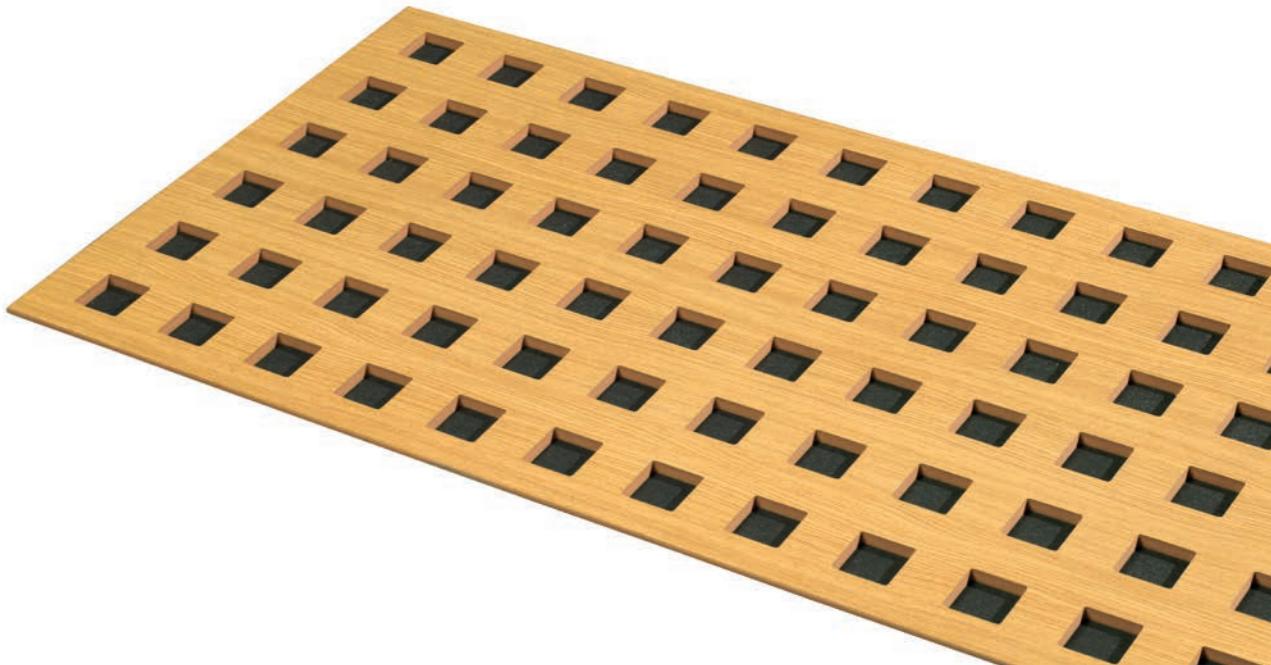
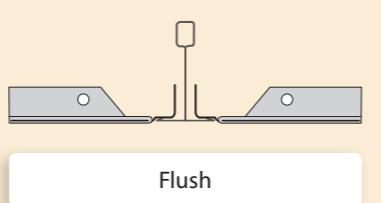
Wenge



References

MODEL	FINISH	FORMATS	GRADIENT PROFILE					
			MELAMINE			BLACK		
			SAP	KEA	PRICE	SAP	KEA	PRICE
ST.LAURENT	MAPLE	1200x300	100105983	B65915578	107,43 p/m ²	100105971	B65915586	84,58 p/m ²
		1200x600	100105965	B65915512	94,46 p/m ²	100105953	B65915474	72,23 p/m ²
		600x600	100105947	B65915479	94,46 p/m ²	100105935	B65915550	72,23 p/m ²
	CHERRY	1200x300	100105985	B65915569	107,43 p/m ²	100105973	B65915508	84,58 p/m ²
		1200x600	100105967	B65915500	94,46 p/m ²	100105955	B65915499	72,23 p/m ²
		600x600	100105949	B65915442	94,46 p/m ²	100105937	B65915414	72,23 p/m ²
	BEECH	1200x300	100105984	B65915565	107,43 p/m ²	100105972	B65915543	84,58 p/m ²
		1200x600	100105966	B65915547	94,46 p/m ²	100105954	B65915493	72,23 p/m ²
		600x600	100105948	B65915568	94,46 p/m ²	100105936	B65915452	72,23 p/m ²
	PEAR TREE	1200x300	100105987	B65915523	107,43 p/m ²	100105975	B65915485	84,58 p/m ²
		1200x600	100105969	B65915488	94,46 p/m ²	100105957	B65915574	72,23 p/m ²
		600x600	100105951	B65915584	94,46 p/m ²	100105939	B65915447	72,23 p/m ²
	OAK	1200x300	100105986	B65915583	107,43 p/m ²	100105974	B65915480	84,58 p/m ²
		1200x600	100105968	B65915505	94,46 p/m ²	100105956	B65915498	72,23 p/m ²
		600x600	100105950	B65915507	94,46 p/m ²	100105938	B65915577	72,23 p/m ²
	WENGE	1200x300	100105982	B65915575	107,43 p/m ²	100105970	B65915552	84,58 p/m ²
		1200x600	100105964	B65915518	94,46 p/m ²	100105952	B65915530	72,23 p/m ²
		600x600	100105946	B65915473	94,46 p/m ²	100105934	B65915448	72,23 p/m ²

* Available with steel color profiles. Consult our commercial.



Structure

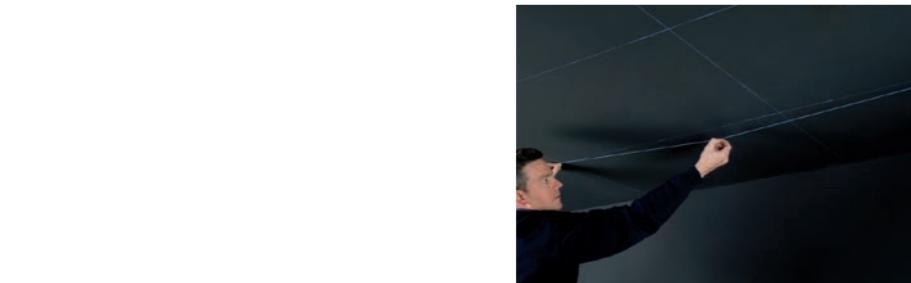
- Flush profile system of 24 mm with lacquered finishes with finish in black and steel colors or finish melamine in ceiling panels.

Packaging

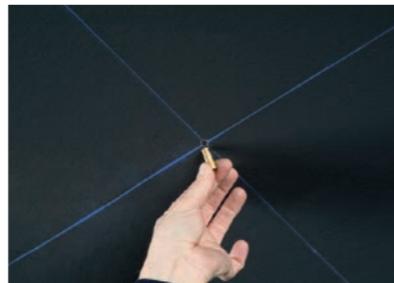
- Cardboard boxes of 6 pieces. (2.16 m²/box). At 600 x 600 mm and 1200 x 300 mm formats.
- Cardboard boxes of 3 pieces. (2.16 m²/box). In 1200 x 600 mm format.



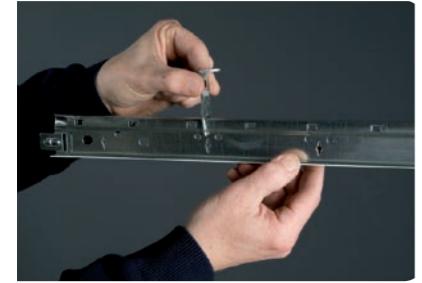
Installation Tegular profiles



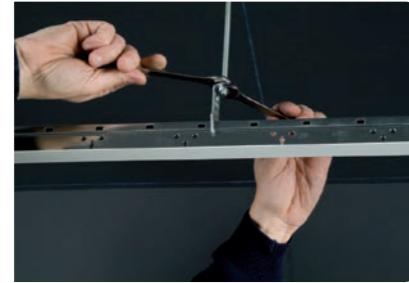
1. Lay out the surface where the ceiling will be installed.



2. Install the stud to the floor slab and the threaded rod. (Install one stud and one rod per m².)



3. Install the hanging pieces in the primary profiles.



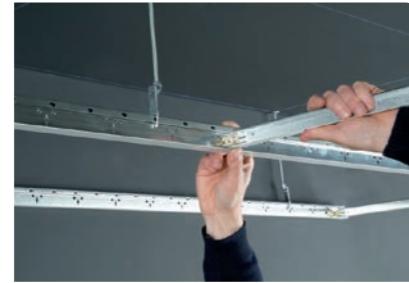
4. Join the primary profile with the rod using the nuts. (Use two nuts for each hanging piece)



5. Join the primary profiles when the room dimension is larger than that of the profile.



6. Check that the primary profiles are leveled.



7. Install the 60 cm and 120 cm secondary profiles.



8. Use these two profile types to make the grids, from where the plates will be located.



9. Rest the clips on one of the profiles.



10. Exert pressure forward while we start raising the plate.



11. The plate will be fixed within the grid.

Installation Clip-in profiles



1. Lay out the location of the ceiling elements.



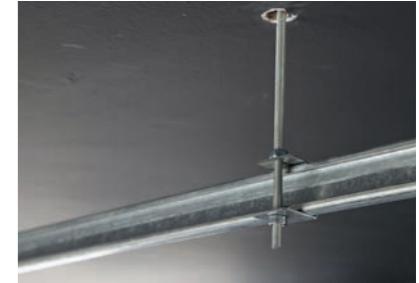
2. Mark the location of the hangings and make the holes.



3. Install the stud and the threaded rod.



4. Install the clamping flange and the bearing profile.



5. Join the suspension flange with the rod using the nuts.



6. Install the joint load-bearing profile to join two load-bearing profiles, when necessary.



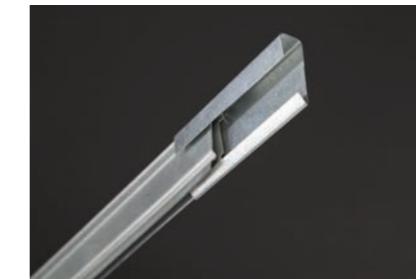
7. Join two profiles, leaving the joint piece at the profile ends.



8. Check that the profiles are leveled.



9. Install the profile joining clip and the Clip-in profile.



10. Install the Clip-in profile joint when necessary.



11. Install the trays in the Clip-in profiles by exerting a slight pressure

Installation grooved profiles



1. Lay out the location of the ceiling elements.



2. Mark the location of the hangings and make the holes.



3. Install the stud and the threaded rod.



4. Install the hanging piece and the grooved profile.



5. Join the hanging piece with the rod using the nuts. (Use two nuts for each hanging piece)



6. Install the joint piece at the profile ends.



7. Join two profiles, leaving the joint piece at the profile ends.



8. Check the trays resting on two profiles using the plate tabs.



9. Install the trays resting on two profiles using the plate tabs.



10. Continue installing the trays, adjusting them until there is no free space between them.



How to get a budget of a butech system?

- Come to one of our stores/ distributors, where you will be attended by our professionals, who will show you the products that best suit your needs.
- To provide you with the best service, you should provide us the plans of the project and fill a study sheet customized to your product.
- Once delivered the plans and the sheet correctly completed, from the Technical Department of butech, a first budget will be done.
- In less than 15 days, the same professional who attended you will deliver the budget.
- In case of acceptance, and if you wish, you will receive the visit of one of our technicians for the preparation of the final budget.

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