



Natural wood-wool
boards **for walls
and ceilings**

FIBRO-KUSTIK



SOPREMA

ACOUSTIC COMFORT AND QUALITY OF LIFE

THE +

- › **Wood wool of natural origin:**
Renewable raw materials
- › **Ecological, sustainable and responsible:**
The wood is PEFC or FSC certified
- › **Acoustic absorption up to class a:**
(α_{w} 0.90 - 1.0)
- › **Impact resistance (sports halls) and anti-rebound properties (shooting ranges):**
According to EN 13964
- › **Good thermal performance:**
In its DUO and TRIO versions (associated wood wool to mineral wool)
- › **High steam permeability**
- › **More than 64 colours to choose from**
- › **Optional:**
 - Customized personalized printing
 - PURE GENIUS air clean treatment

If the reverberation time of the sounds of an interior space is too long, you will quickly feel uncomfortable. The causes of this unpleasant effect come in general presence of hard and smooth surfaces (such as glass, concrete or even plaster), which are not sufficiently absorbent.

Inside a room, noise travels in all directions and waves hit the walls, absorbing each reflection: it is called the echo phenomenon. Achieving the acoustics of a room means controlling the reverberation time by choosing materials with efficient and suitable absorption coefficients.

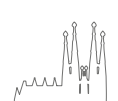
Correcting the acoustics of a room means reducing the reverberation time and improving intelligibility of speech. Treating the acoustics of a noisy room means applying solutions with high absorbency (high absorption coefficient).

The ceiling generally offers the largest available area of a room, it is therefore the preferred solution for acoustic treatment. When it is not possible to install a complete acoustic ceiling, ceiling islands and / or wall element absorbents can also supplement the treatment.

FIBRO-KUSTIK

Due to their open porosity structure, the **FIBRO-KUSTIK** ceiling tiles achieve very good values of sound absorption for different types of applications inside the building. The characteristic texture of wood wool panels offers, in addition, multiple creative possibilities.

Available in **4 variants:**



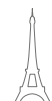
Barcelona



Florence



Berlin



Paris

- **Fiber size:** 1 mm or 2 mm
- **Reaction to fire:** A2-s1, d0 or B-s1, d0

FIBRO-KUSTIK SOLO

Aesthetic and acoustic slabs:

- Thicknesses: 15, 25 or 35 mm.
- Formats: 600 x 600; 1200 x 600; 2000 x 600.
- Assembly system: demountable or not demountable.
- Sound absorption: α_{w} up to 0.8.

FIBRO-KUSTIK DUO

Aesthetic slab with sound-absorption and thermal insulation performances:

- Thicknesses: 50, 75, 100, 125 and 150 mm.
- Formats: 1200 x 600 (thickness 50 only); 2000 x 600.
- Assembly system: not demountable.
- Sound absorption: α_{w} up to class A (0.9-1).

FIBRO-KUSTIK TRIO

Aesthetic slab with sound-absorption and thermal insulation performances:

- Thicknesses: 35 and 50 mm.
- Formats: 1200 x 600; 2000 x 600.
- Assembly system: demountable or not demountable.
- Sound absorption: α_{w} up to class A (0.9-1).

FIBRO-KUSTIK



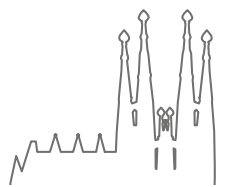
1 mm fiber size



2 mm fiber size

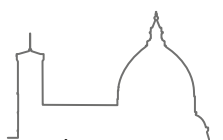
FIBRO-KUSTIK BARCELONA

Fire Rate Euroclass B-s1, d0 without flame propagation
Superfine wood-wool (approx. 1 mm)



FIBRO-KUSTIK FLORENCE

Fire Rate Euroclass A2-s1, d0 non flammable
Superfine wood-wool (approx. 1 mm)



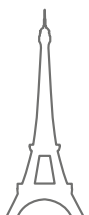
FIBRO-KUSTIK BERLIN

Fire Rate Euroclass B-s, d0 without flame propagation
Fine wood-wool (approx. 2 mm)



FIBRO-KUSTIK PARIS

Fire Rate Euroclass A2-s, d0 non flammable
Fine wood-wool (approx. 2 mm)

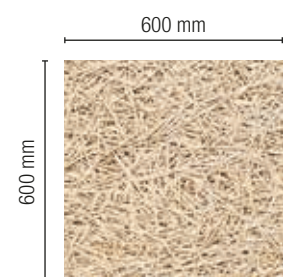


BOARD FORMATS

3 BOARDS DIMENSIONS

Adapted formats to
all your architectural
projects.

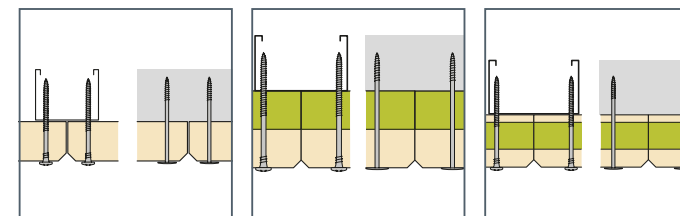
Every version is available in
3 dimensions.



other sizes available on request

EDGE PROFILES

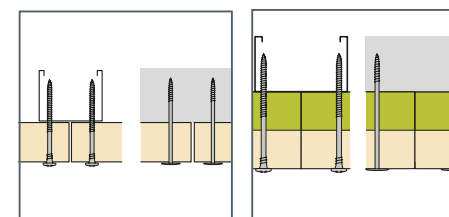
STANDARD EDGE PROFILES AND FIXING METHODS



SMALL BEVELED EDGES

BEVELED EDGES ON ALL 4 VISIBLE SIDES.

DIRECTLY MOUNTED, NOT DEMOUNTABLE.



STRAIGHT EDGE

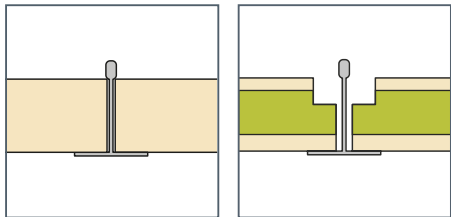
DIRECTLY MOUNTED, NOT DEMOUNTABLE.



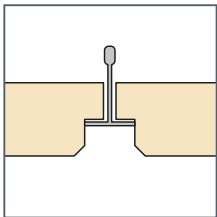
EDGE PROFILES

PROFILES ON REQUEST

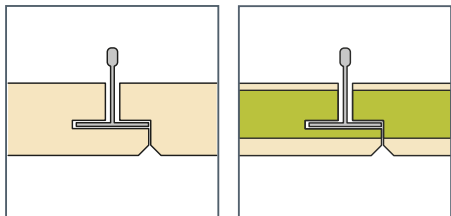
Depending on the inspirations, you can combine edges and installation. **Fibro-Kustik** ceiling tiles can be installed using: Visible T-frame, hidden T-frame, or mechanical fastenings.



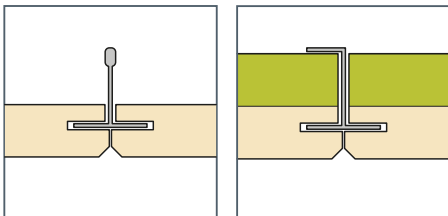
STRAIGHT EDGE
INLAY MOUNTING, DEMOUNTABLE.



RABBET EDGES ON 4 SIDES
BEVELED EDGES ON ALL 4 VISIBLE SIDES.
INLAY MOUNTING, DEMOUNTABLE.



NOTCH ON 2 SIDES
BEVELED EDGES ON ALL 4 VISIBLE SIDES.
CONCEALED MOUNTING, DEMOUNTABLE.



NOTCH ON 2 SIDES
BEVELED EDGES ON ALL 4 VISIBLE SIDES.
CONCEALED MOUNTING, NOT DEMOUNTABLE.



ANCILLARIES

Acoustic tiles can be mounted directly on metal frames traditional with CD type profiles or fixed to the wooden structure with fast fixing screws anti-rust treated. **Soprema** offers white or light beige coloured screws, adapted to natural or white colored tiles. Moreover, **Fibro-Kustik** tiles can be inserted in suspended ceiling standard frames.

EVDF SCREWS

Quick-fit screws with rust protection for fixing panels to a wooden structure.

Board thickness	Screw length	Colours	Screws / box
15 mm	45 mm	Light beige White	100 units
25 mm	45 mm		
35 mm	65 mm		



DDS SCREWS

Rust-protected steel screw with special thread. For direct fixing to **Fibro-Kustik DUO** tiles on concrete support. Ø 6 mm drilling and a Ø 25 mm head.

Board thickness	Screw length	Colours	Screws / box
50 mm	75 mm	Light beige White	100 units
75 mm	100 mm		
100 mm	125 mm		
125 mm	150 mm		
150 mm	175 mm		



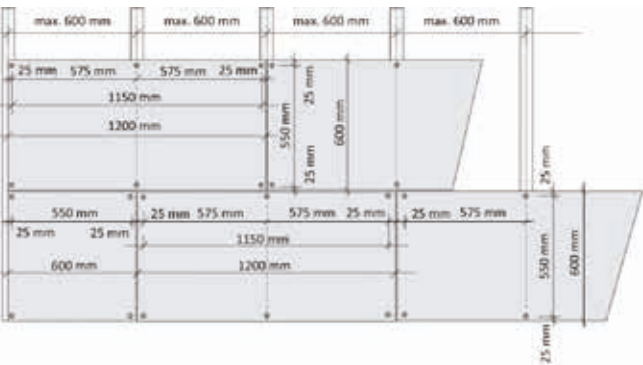
Mechanical fixing recommendations with EVDF / DDS screw

SCREWING IN STEPS OF:

- 600 mm for 1200 mm panels length.
- 500 mm for 2000 mm panels length.

NUMBER OF SCREWS PER PANEL:

- Min. 8 screws per 2000 x 600 panel.
- Min. 6 screws per panel of 1200 x 600.





FIBRO-KUSTIK SOLO

Decorative and acoustic ceiling tiles based on spruce wood wool (1 mm. or 2 mm. wide fiber), cement and marble powder binder.
Eco-responsible material, which combines architectural aesthetics and acoustic performance.
The wood used comes from sustainably managed forests (PEFC™ or FSC™ certifications).
A wide choice of formats, edges, colours, suitable for all projects.

Domain of Application

Acoustic ceilings in residential and non-residential construction, e.g. commercial, industrial and public buildings, offices, schools, sports halls, and garages.



FIBRO-KUSTIK SOLO



Barcelona

Woodfiber acoustic board according to EN 13168, Euroclass B-s1, d0.
Superfine wood fiber (approx. 1 mm)

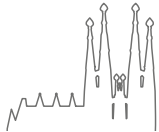


CHARACTERISTICS & PERFORMANCES

STANDARD	EN 13168 - EN 13964		
DIMENSIONS (MM)	600x600; 1200x600; 2000x600		
THICKNESSES (MM)	35	25	15
SURFACE MASS (KG/M²)	16.30	12	7.8
ACOUSTIC ABSORPTION (α _w)	Up to 0.30 to 0.80		
REACTION TO FIRE	B-s1,d0*		
MECHANICAL STRENGTH	Class 1A in 25 and 35 mm (EN 13964) screwed installation		
DURABILITY	Class C (EN 13964)		
COLOUR RANGE	Available in more than 64 colours		

* Version A2-s1, d0 available on request.

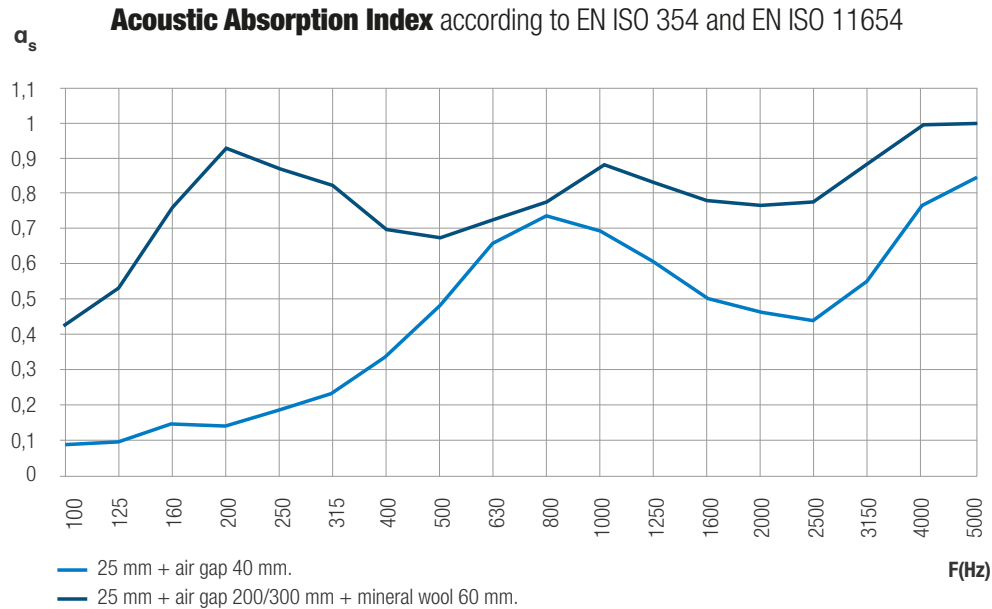
ACOUSTIC PERFORMANCES SOLO FIBRO-KUSTIK SOLO



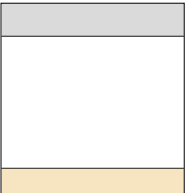
Barcelona

Homogeneous acoustic ceiling tile made of super fine woodfiber (approx. 1 mm. or 2 mm.).

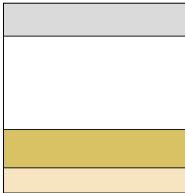
Reaction to fire B-s1, d0 with difficulty flammable.



Source : Test report CSTB AC-2608538 and GINGER CEBTP BEB2.K.6060-1.



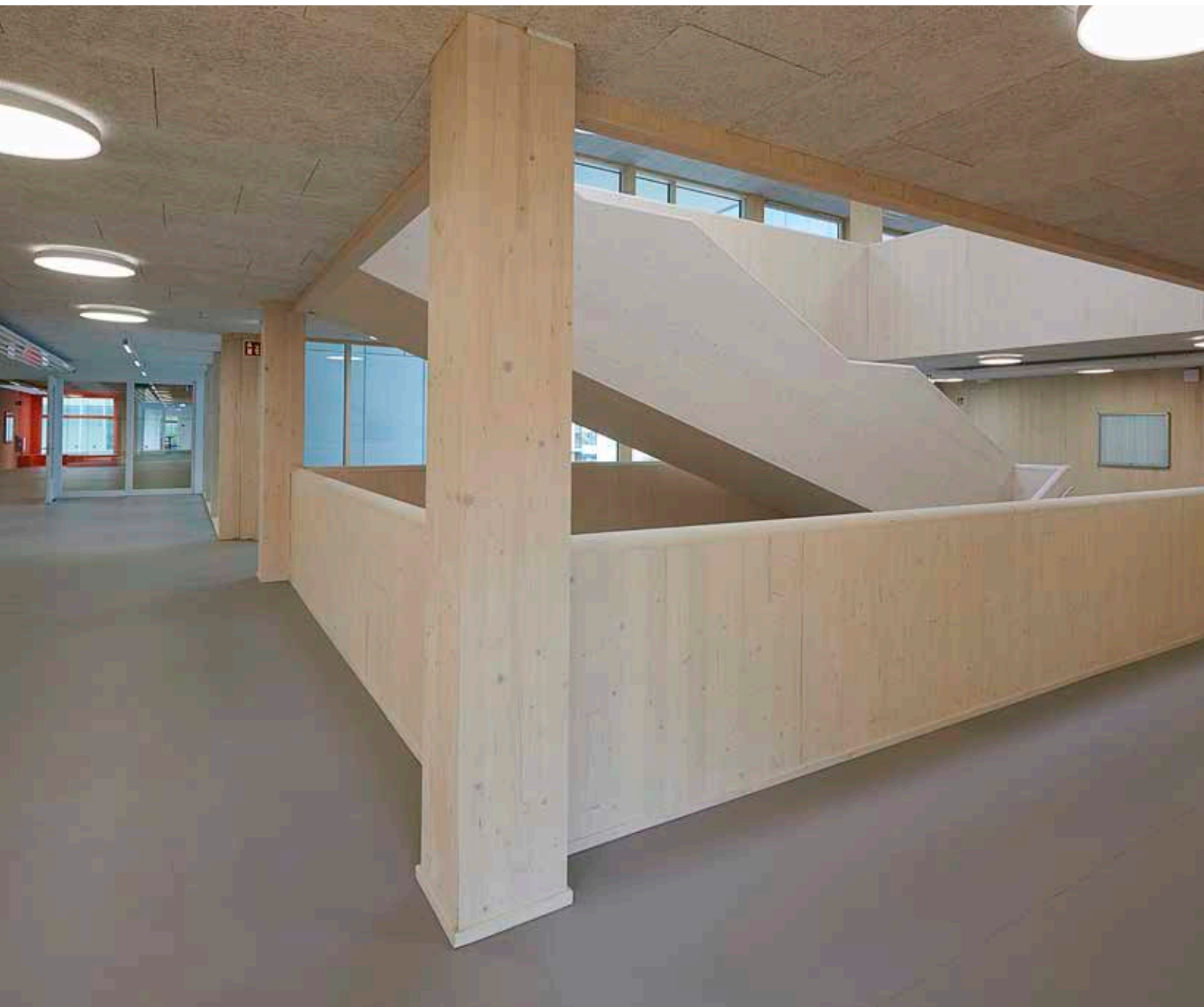
FIBRO-KUSTIK SOLO
with air gap



FIBRO-KUSTIK SOLO
with air gap and mineral wool

	125	250	500	1000	2000	4000	α _w	Class. abs.
Fibro-Kustik Barcelona 25 mm with 40 mm air gap	0.10	0.20	0.50	0.70	0.45	0.75	0.45	D
Fibro-Kustik Barcelona 25 mm air gap 200/300 mm and mineral wool 60 mm	0.55	0.90	0.70	0.85	0.80	0.95	0.80	B

OTHER TEST DATA AND CERTIFICATES AVAILABLE ON REQUEST



FIBRO-KUSTIK DUO



Barcelona

Thermal and acoustic ceiling tile composed of a woodfiber ceiling tile and a mineral wool panel.

Super fine wood wool (approx. 1 mm).
Reaction to fire B-s1, d0.



FIBRO-KUSTIK DUO

Decorative and acoustic ceiling tile based on spruce wood wool (1 mm wide fiber), cement and marble powder binder.

Eco-responsible material, which combines architectural aesthetics and acoustic performance. The wood used comes from sustainably managed forests (PEFC™ or FSC™ certifications). A wide choice of formats, edges, colours, suitable for all projects.

Domain of Application

Rooms and areas requiring control of reverberation and improved intelligibility.

Indoor concealed and inlay mounting

Private and collective premises in all types of buildings: residential building, public buildings such as hospitals, school premises, hotels, leisure (theatres, concert halls), industrial premises, etc.

Outdoor inlay mounting

Horizontal structures under shelter such as courtyards, awnings, undersides of overhanging roofs, etc.





CHARACTERISTICS & PERFORMANCES

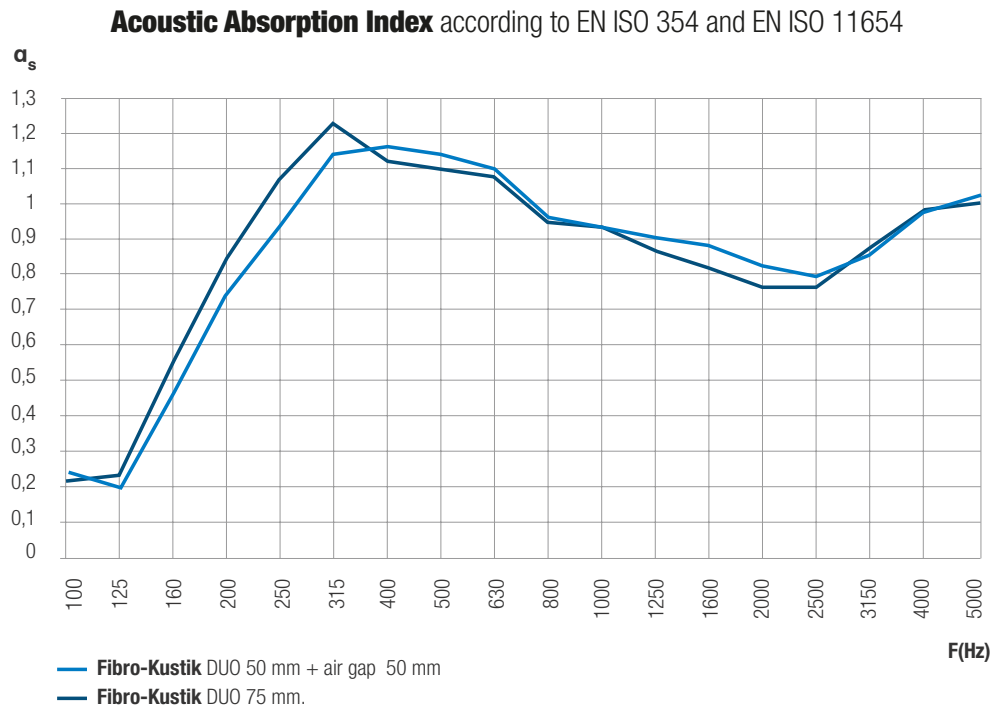
STANDARD	EN 13168 - EN 13964
DIMENSIONS (MM)	1200x600*; 2000x600
WOOD WOOL THICKNES (MM)	25
SURFACE MASS (KG/M²)	12
WW DECLARED THERMAL CONDUCTIVITY λ_D (W/mK)	0.075
WW DECLARED THERMAL RESISTANCE R_D (m²K/W)	0.30
ACOUSTIC ABSORPTION (α_w)	Up to 1
REACTION TO FIRE	B-s1,d0**
MECHANICAL STRENGTH	Class 1A in 25 mm (EN 13964) screwed installation
DURABILITY	Class C (EN 13964)
COLOUR RANGE	Available in more than 64 colours

* Available only for 50 mm thick panels
** Version A2-s1, d0 available on request.

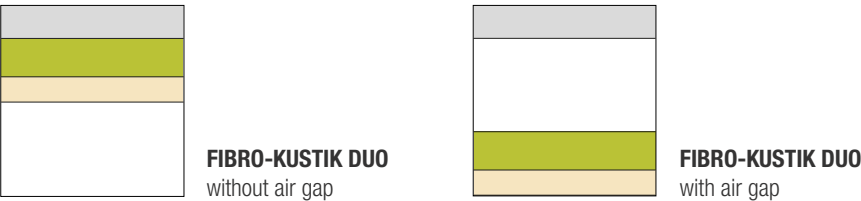
ACOUSTIC PERFORMANCES DUO

FIBRO-KUSTIK DUO

Thermal and acoustic ceiling tile composed of a wood wool ceiling tile and a mineral wool panel.



Source : Test report CSTB AC-2608538 and GINGER CEBTP BEB2.K.6060-1.



	125	250	500	1000	2000	4000	α_w	Class. abs.
Fibro-Kustik DUO 50 mm with air gap 50 mm	0.30	0.95	1	0.95	0.85	0.95	0.95	A
Fibro-Kustik DUO 75 mm	0.35	1	1	0.90	0.80	0.95	0.95	A

OTHER TEST DATA AND CERTIFICATES AVAILABLE ON REQUEST



NATURAL COLOUR

FIBRO-KUSTIK panels can be supplied in natural essence color presenting uneven nuances and tones like those of the natural raw materials used, wood and cement.



LIGHT IVORY COLOUR RAL 1015

A light paint of LIGHT IVORY colour, wood colour like, is used to give a uniformity appearance to the panels without altering the acoustic performance.

A palette of more than 64 colours

As acoustics fit into existing spaces and require an aesthetic response, we offer a wide range of colours. An almost unlimited palette of colours is available - you can choose almost any colour from the common colour systems. A palette of 64 design decors is applicable to all tiles, thicknesses and formats. The colours used are highly breathable water-borne paints.

NATURAL or with 1 Homogenization layer

LIGHT & DARK

N° RAL	RAL 9010	RAL 9016	RAL 9001	RAL 1013	RAL 9002	RAL 9018	RAL 7035	RAL 7038	RAL 7040
EN	Pure white	Traffic white	Cream white	Oyster white	Grey white	Papyrus white	Light grey	Agate grey	Window grey
Colour									
N° RAL	RAL 7042	RAL Design 000 60 00	RAL 7037	RAL 7039	RAL 7031	RAL 7015	RAL 7016	RAL 7021	RAL 9005
EN	Traffic Grey A	Ash grey	Dusty grey	Quartz grey	Blue grey	Slate grey	Anthracite grey	Black grey	Jet black
Colour									

Tailor-made personalization



In addition to the colours offered and in order to respond with a design and acoustic solution, we create unique tiles for you. It is possible to customize your **Fibro-Kustik** tiles on demand. The colours used are highly breathable water-borne paints.



NATURAL or with 1 Homogenization layer

TREND & DESIGN

N° RAL	RAL Design 075 93 05	RAL Design 075 80 10	RAL Design 075 70 10	RAL 1019	RAL Design 050 40 10	RAL 1014	RAL Design 095 80 40	RAL 1024	RAL 3012
EN	Vanilla white	Chalk beige	Flax fibre grey	Grey beige	Mocha black	Ivory	Pea green	Ochre yellow	Beige red
Colour									
N° RAL	RAL 3014	RAL Design 030 40 30	RAL Design 030 30 40	RAL 6019	RAL Design 110 80 10	RAL 1000	RAL Design 110 70 30	RAL Design 110 60 20	RAL 6013
EN	Antique pink	Brick brown	Crimson red	Pastel green	Spring grey	Green beige	Wasabi green	Peapod green	Reed green
Colour									
N° RAL	RAL Design 180 40 10	RAL Design 260 80 10	RAL Design 240 70 05	RAL Design 260 60 15	RAL 7000	RAL Design 260 50 20	RAL Design 250 40 15	RAL Design 280 30 10	RAL Design 360 70 10
EN	Pine green	Powder soft blue	Laundry blue	Nordland blue	Squirrel grey	Cropper blue	Steel blue grey	Meteorite black blue	Quartz pink
Colour									
N° RAL	RAL 7036	RAL Design 360 60 10	RAL Design 360 40 15						
EN	Platinum grey	Majolica mauve	Ruby grey						
Colour									

STREET ART

N° RAL	RAL 1016	RAL 1003	RAL 1017	RAL 1001	RAL 1002	RAL 1028	RAL 2003	RAL 3020	RAL 8003
EN	Sulfur yellow	Safety yellow	Saffron yellow	Beige	Sand yellow	Melon yellow	Pastel orange	Red signage	Brown clay
Colour									
N° RAL	RAL 6018	RAL 6017	RAL 6034	RAL 5024	RAL 5015	RAL 5017	RAL 5005		
EN	Green yellow	Green May	Turquoise pastel	Pastel blue	Sky blue	Blue signage	Blue security		
Colour									



LOGISTIC INFO



FIBRO-KUSTIK SOLO	Dimensions (mm)	Thickness (mm)	Boards / pallet	m²/ pallet	Gross weight / pallet (kg)	Pallets / Truck	m²/ Truck
BARCELONA	1200X600	15	128	92,16	719	31	2856,96
		25	70	50,4	582	36	1814,40
		35	56	40,32	612	34	1370,88
	1200X615	35	56	41,33	627	34	1405,15
		15	256	92,16	719	31	2856,96
	600X600	25	140	50,4	582	36	1814,40
		35	112	40,32	612	34	1370,88
		35	112	41,33	627	34	1405,15
	2000X600	15	128	153,6	1206	18	2764,8
		25	70	84	1052	20	1680, 00
		35	56	67,2	1027	22	1478,40

FIBRO-KUSTIK DUO	Dimensions (mm)	Thickness (mm)	Boards / pallet	m²/ pallet	Gross weight / pallet (kg)	Pallets / Truck	m²/ Truck
BARCELONA	1200 x 600	50	40	28,8	466	44	1267,20
	2000 x 600	50	40	48,0	783	26	1248,00
		75	28	33,6	606	26	873,6
		100	20	24,0	530	26	624,00
		125	16	19,2	476	26	499,20
		150	14	16,8	460	26	436,80

FIBRO-KUSTIK SOLO	Dimensions (mm)	Thickness (mm)	Boards / pallet	m²/ pallet	Gross weight / pallet (kg)	Pallets / Truck	m²/ Truck
BERLIN	1200X600	15	128	92,16	719	32	2949,12
		25	70	50,4	582	36	1814,40
		35	56	40,32	612	34	1370,88
	1200X615	35	56	41,33	627	34	1405,15
		15	256	92,16	719	32	2949,12
	600X600	25	140	50,4	582	36	1814,40
		35	112	40,32	612	34	1370,88
		35	112	41,33	627	34	1405,15
	2000X600	15	128	153,6	1205	20	3072
		25	70	84	977	22	1848
		35	56	67,2	1027	20	1344

SOPREMA at your service:

Do you have a question about a specific project, the products or application possibilities? Then contact our technical team.

All information can be found on:
www.soprema.co.uk

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