

ACOUSTIC PANELS - FOR EVERY NEED

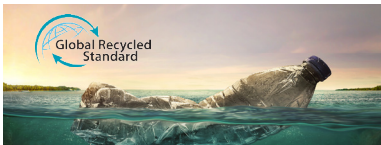
There are many different acoustic panel variants on the market. FibroTech has gathered the best ones for every need. Whether you need a sound-absorbing effect, merely want the visual look or need fire approved panels, FibroTech has the right solution, each one with a beautiful and uniform look, free of knots and available in price ranges that everyone can afford.

SOUND ABSORPTION

The long reverberation time in a room without any acoustic solutions can be reduced using various materials that are good at absorbing sound. Use large surfaces such as walls and ceilings – both will reduce the reverberation time when installing materials with a high level of sound absorption such as acoustic panels.

THE REASON FIBROTECH’S ACOUSTIC PANELS REDUCE SOUND

The narrow wood strips are installed on a 9 mm polyester panel that does not reflect sound the way hard material would. FibroTech’s thick polyester backing absorbs the sound, improves acoustics in the room – and makes all the difference. Furthermore, density is high, and the polyester is well attached with several clamps to avoid any loose ends.



The backing is made of recycled plastic!

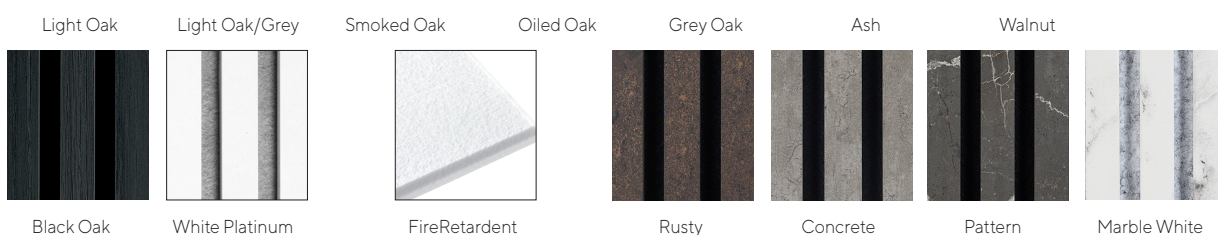
The essential and effective polyester backing of the acoustic panels is made of recycled plastic – respecting and considering our planet.

Panel	Colour / (DB number)							Dimension/mm (Panel type)	Kg./panel	m² panel	Backing/ Polyester
PREMIUM DB no.	Light Oak (2035578)	Smoked (2035570)	Oiled Oak (2035576)	Grey Oak (2035571)	Ash (2035731)	Walnut (2035577)	Black Oak (2162519)	22 x 605 x 2440 (Acoustics)	13,5	1,46	
PROFF DB no.	Light Oak (2122780)	Smoked (2151323)	Oiled Oak (2151335)	Grey Oak (2151340)	Ash (2151347)	Walnut (2151330)	Black Oak (2162520)	22 x 605 x 3000 (Acoustics)	16,84	1,82	
PROFF SIGNATUR DB no.	Light Oak (2122779)							22 x 605 x 3000 (Acoustics)	16,84	1,82	
SQUARE DB no.	Light Oak (2344641)	Smoked (2344635)	Oiled Oak (2344638)	Grey Oak (2344636)	Ash (2344644)	Walnut (2344639)	Black Oak (2344645)	22 x 520 x 520 (Acoustics)	4,44	0,27	
QUANTI DB no.	Light Oak (2353324)	Smoked (2353330)	Oiled Oak (2353331)	Grey Oak (2353328)	Ash (2353329)	Walnut (2353327)	Black Oak (2353326)	18 x 520 x 2440 (Acoustics)	10,4	1,27	
QUANTI DB no.	Light Oak (2353325)							18 x 520 x 2440 (Acoustics)	10,4	1,27	
UNIKA 25 DB no.	Light Oak (2166674)	Smoked (2166677)	Oiled Oak (2166675)	Grey Oak (2166676)	Walnut (2166678)	Black Oak (2166679)	White * (2306452)	22 x 600 x 2440 (Acoustics)	13,5	1,46	
UNIKA 35 DB no.	Light Oak (2166603)							22 x 600 x 2440 (Acoustics)	13,5	1,46	
LIGHT ACOUSTIC DB no.	Light Oak (2039666)	Smoked (2039667)	Oiled Oak (2039668)					9 x 600 x 2500 (Acoustics)	2,9	1,5 5 pcs./pkg.	
STONE SERIE DB no.	Rusty (2378304)	Concrete (2378305)	Pattern (2378306)	Marble White * (2378307)				18 x 520 x 2440 (Acoustics)	10,4	1,27	
FireRetardent DB no.	Polyester White (2417625)							9 x 600 x 1200 (Fire approved)	0,72	4,4 4 pcs./pkg.	

- Black polyester backing
- Grey polyester backing
- Fire approved

For rooms with a relative humidity below 55%.





Completion lists	Colour/DB no./Item							Specifications	Number/Weight
For: PREMIUM / PROFF DB no.	Light Oak (2109946)	Smoked (2109944)	Oiled Oak (2109945)	Grey Oak (2109947)	Ash (2109942)	Walnut (2109943)	Black Oak (2171189)	22 x 25 x 3000	2 pcs. per package
For: UNIKA DB no.	Light Oak (2275297)	Smoked (2275295)	Oiled Oak (2275296)	Grey Oak (2275298)	Walnut (2275294)	Black Oak (2275299)		22 x 25 x 3000	2 pcs. per package

Extras	Item / DB. no.	Specifications	Number / Pallet	Number/Weight
Installation adhesive	Catridge / DB no. (2119000)	Capacity per catridge: 1,5 m ²	1440 pcs./pl	Catridge 300 ml
	Bucket / DB no. (2119001)	Capacity per bucket: 6 m ²	120 pcs./pl	Can 2,5 kg.
Panel screws	Black Tx. 20 - RAL 9005 / DB no. (2297827)	4,2x30 mm	864 box/pl	100 pcs. per box
	Grey Tx. 20 - RAL 7047 / DB no. (2315193)	4,2x30 mm	864 box/pl	100 pcs. per box
	Black Tx. 20 - RAL 9005 / DB n0. (2395799)	4,0x25 mm	864 box/pl	100 pcs. per box

4 pieces LED lights with remote control

1,000 mm - DB no.: 2428319
Dimension: 9.5 x 12.5 x 1000 mm - Weight: 0.78kg

2,400 mm - DB no.: 2428330
Dimension: 9.5 x 12.5 x 2400 mm - Weight: 1.95 kg

3,000 mm - DB no.: 2428335
Dimension: 9.5 x 12.5 x 3000 mm - Weight: 2.34 kg

Complete accessory box for acoustic panels

2 pieces SMALL shelves, 2 pcs. LARGE shelves, 6 pcs. hooks, 6 pcs. Dots hooks, 2 pcs. frame/ picture hanging, misc. bracket for suspension

Dimensions: L37 x W13 x H5 cm
Pcs/pk: 68 - Weight per weight: 1.6 kg

Burnished steel RAL 8025 DB no.: 2432405	Black RAL 9011 DB no.: 2432406	Brass RAL 1004 DB no.: 2432407

Sound measurements for various acoustic materials

(Note that there may be variations depending on the structure of underlying construction)

Result of measurement of sound absorption coefficient (MH)

Freq. (Hz) Sound absorp.	Freq. (Hz) Sound absorp.
100.....0,18	800.....1,05
125.....0,25	1000.....1,16
160.....0,47	1250.....1,01
200.....0,65	1600.....0,91
250.....0,83	2000.....0,83
315.....0,80	2500.....0,98
400.....0,98	3150.....1,01
500.....1,09	4000.....1,09
630.....1,05	5000.....0,94
	N R C.....0,95



Achieve sound class A

If you need further noise reduction (sound class A), you can place 45 mm of mineral wool behind the panels.

