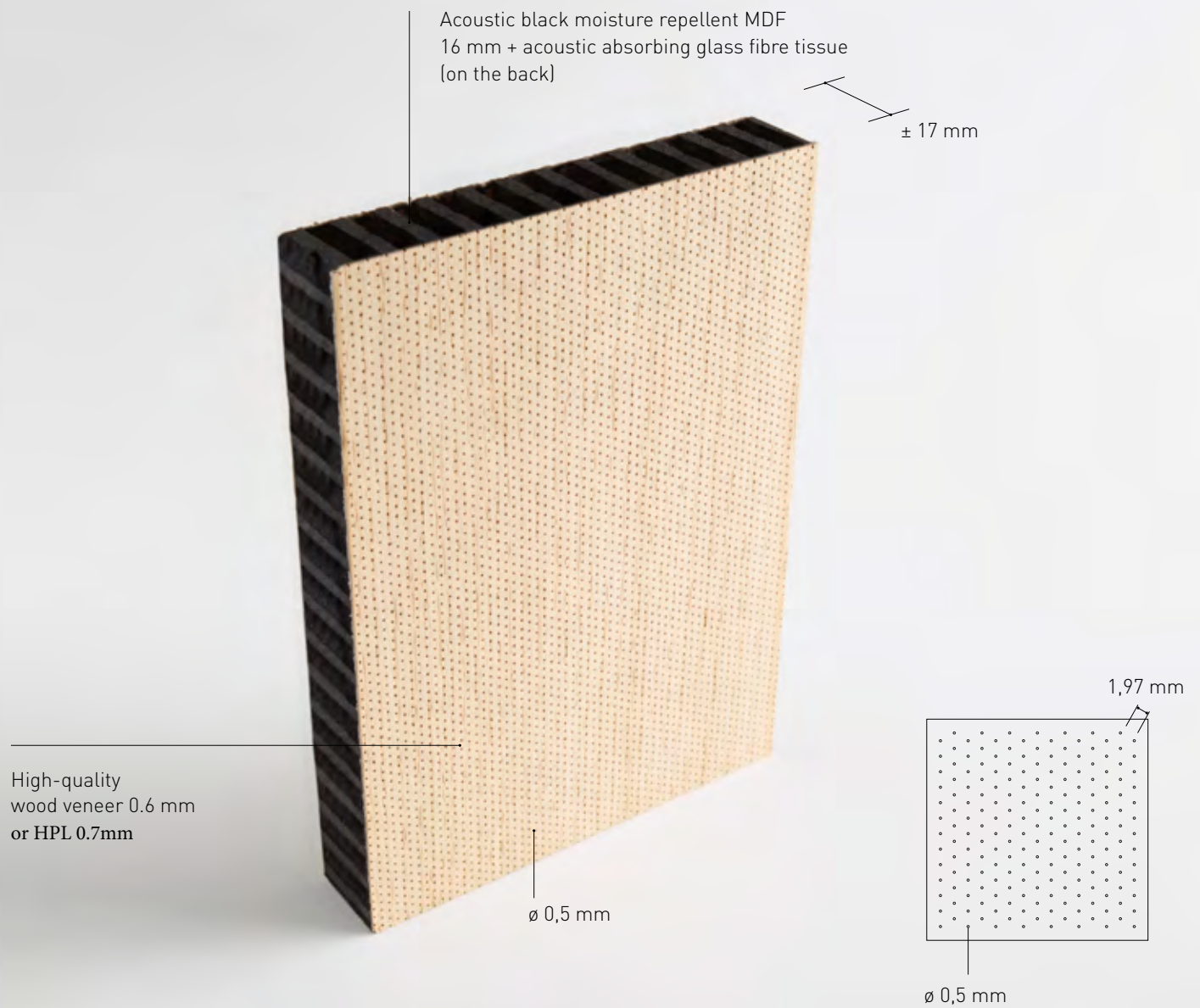


PRINT ACOUSTICS

your silent partner



ACOUSTIC — ARCHITECTURAL — AMAZING



INSTALLATION *see page 87*





MICRO/NANO

MATERIAL COMPOSITION

Top layer High-quality wood veneer 0.6 mm- or HPL 0.7
Core Acoustic black moisture repellent MDF 16 mm
Backing Backing veneer 0,6 mm or HPL 0.7mm + acoustic absorbing glass fibre tissue (on the back)

WEIGHT 10 kg/m²

PERFORATION

Type NL with top layer perforations of 5,8%, core perforations of 44.2%: provided with perforated top layer with micro perforations with a diameter of 0,5 mm across the entire surface area [diagonal, 1,97/1,97/0,5 mm] + central joint in combination with perforated acoustic core (with perforated zone in the core [linear, 8/8/6 mm]) and acoustic absorbing glass fibre tissue (back)

STD. MEASUREMENTS FULL PANEL

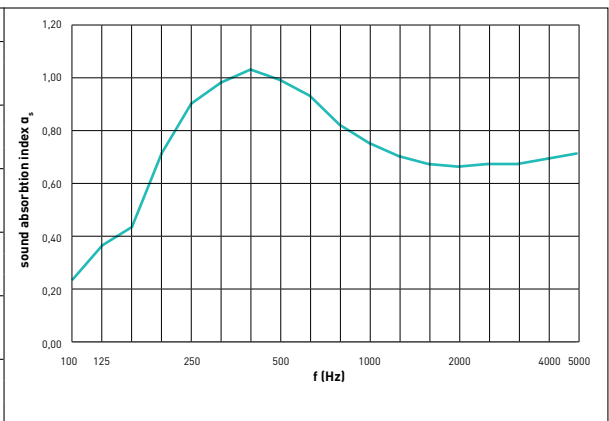
(square-sawn)
 3000x1200x±17 mm (veneer)
 (composition of full plate, see page 62)

OPTIONS

Made-to-measure on request
Cladding panel on request (see page 81)
Flexible elements on request (see page 80)
Top layer veneer lacquer or colour oil or HPL 0.7mm
Core Acoustic black moisture repellent MDF or black fire retardant MDF (European fire class B)

TEST SET-UP IN LABORATORY:
TOTAL THICKNESS WALLS
 87 mm

f(Hz)	T1 (s)	T2 (s)	α_s
100	11,82	6,70	0,24
125	11,43	5,37	0,37
160	9,06	4,39	0,44
200	9,30	3,32	0,72
250	9,25	2,82	0,91
315	9,35	2,68	0,99
400	8,89	2,55	1,04
500	9,18	2,65	1,00
630	10,00	2,83	0,94
800	9,89	3,07	0,83
1000	9,62	3,23	0,76
1250	8,88	3,29	0,71
1600	7,80	3,19	0,68
2000	6,83	3,04	0,67
2500	5,65	2,77	0,68
3150	4,51	2,45	0,68
4000	3,60	2,13	0,70
5000	2,76	1,79	0,72



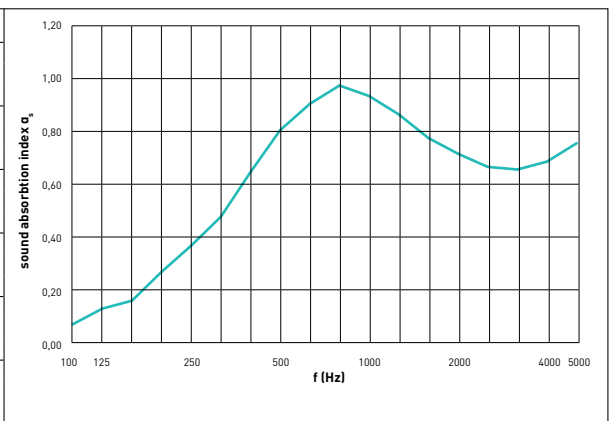
f(Hz)	α_p
125	0,35
250	0,85
500	1,00
1000	0,75
2000	0,70
4000	0,70

Total thickness	% perfo top layer	% perfo core	α_w	f(Hz)	Sound class	NRC	SAA
87 mm	5,8%	44,2%	0,75	LM	C	0,85	0,83
Installation	Mounted on a wooden frame with a thickness of 70 mm, filled with 50 mm of mineral wool with a density of 40 kg/m ³ .						

Values according to reverberation room test EN ISO 354:2003 - EN ISO 11654:1997

TEST SET-UP IN LABORATORY:
TOTAL THICKNESS WALLS
 37 mm

f(Hz)	T1 (s)	T2 (s)	α_s
100	11,80	9,63	0,07
125	11,34	8,09	0,13
160	9,04	6,46	0,16
200	9,39	5,58	0,27
250	9,01	4,75	0,37
315	9,28	4,22	0,48
400	8,84	3,47	0,65
500	9,31	3,07	0,81
630	10,03	2,89	0,91
800	10,17	2,77	0,98
1000	9,83	2,81	0,94
1250	9,14	2,90	0,87
1600	7,98	2,98	0,78
2000	6,93	2,98	0,72
2500	5,74	2,84	0,67
3150	4,53	2,55	0,66
4000	3,62	2,20	0,69
5000	2,76	1,81	0,76



f(Hz)	α_p
125	0,10
250	0,35
500	0,80
1000	0,95
2000	0,70
4000	0,70

Total thickness	% perfo top layer	% perfo core	α_w	f(Hz)	Sound class	NRC	SAA
37 mm	5,8%	44,2%	0,65	M	C	0,70	0,70
Installation	Mounted on a wooden frame with a thickness of 20 mm, filled with 20 mm PRIMAWOOL of 22,5 kg/m ³ .						

Values according to reverberation room test EN ISO 354:2003 - EN ISO 11654:1997

The unique aspect of this collection is that you can choose from both our different types of acoustic absorbing panel materials AND our wide range of top layer possibilities: HPL laminate, real wood veneer, lacquer, digital print or woven vinyl.

As we have these top layers in stock or can produce them ourselves, we can always guarantee quick delivery for standard measurements and made-to-measure parts.

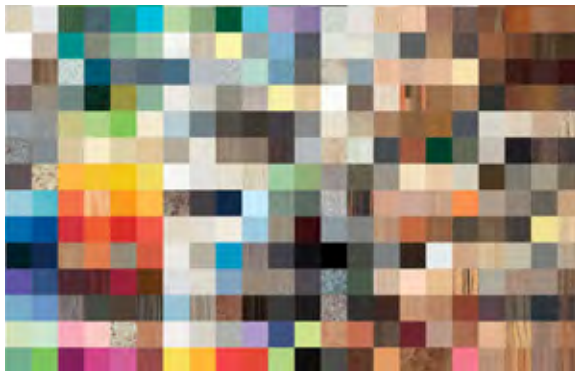
If desired, you can request samples of the top layer you are interested in.

1. HPL

The PRINT HPL high pressure laminates of Abet Laminati consist of layers of cellulose fibrous material combined with a decorative top layer impregnated with thermosetting resins and bonded together using a high pressure (9 Mpa = 90 kg/cm²), high temperature (150 ° C) process.

All top layers are manufactured according to the European norm EN 438 I/II. The HPL top layer has a thickness of 0.9 mm and is therefore one of the highest-quality top layers on the market.

The complete technical details of PRINT HPL and the available colours and textures (more than 500 uni-colours and wood imitations) are available on request (by telephone or via e-mail). You can also find information on www.printacoustics.com.

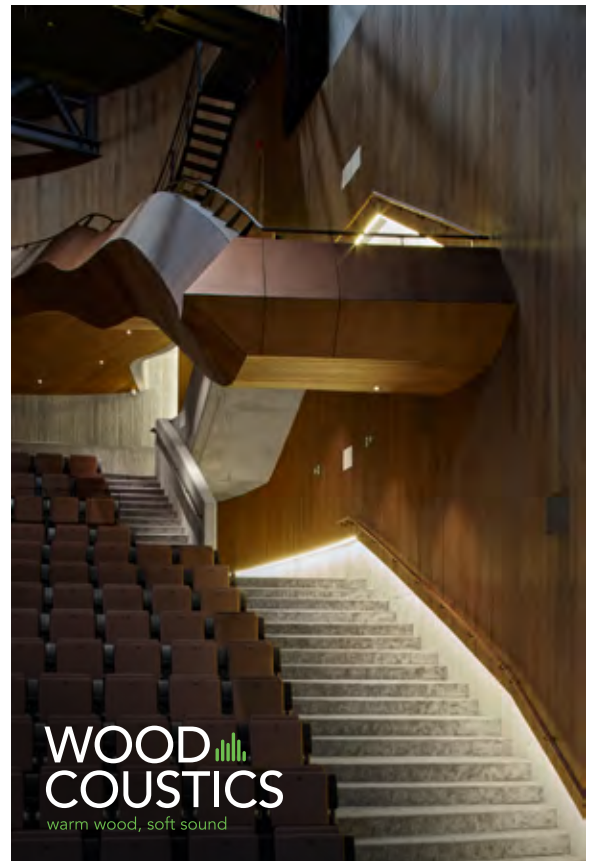


2. VENEER

Our acoustic panels are also available with a top layer in real wood veneer Decospan (you can choose from plain cut oak, quarter cut oak, beech, birch, walnut, ash, etc.).

The panels can be delivered untreated so that the interior designer can stain or varnish them, or we can deliver them finished. Finishing options include: UV varnish, matt varnish, stain, colour oil...

DECOSPAN



TYPE B, C HPL, C MX, M, ML, N, NL

Installation on a single or double wooden frame (ctc 640 mm for panels of 1280 mm / ctc 600 mm for panels of 1200 mm) can be done by means of invisible planks. These invisible planks are screwed onto the back of the panels and the acoustic absorbing panels are then hung onto the frame.

The openings of the wooden framework must be filled with a sound absorbing material (e.g. Rockwool or Primawool).

The four sides of the panel must always be supported by the framework. The short sides of two panels are mounted next to each other to a common underlying frame with a distance of 2 to 3 mm between them.

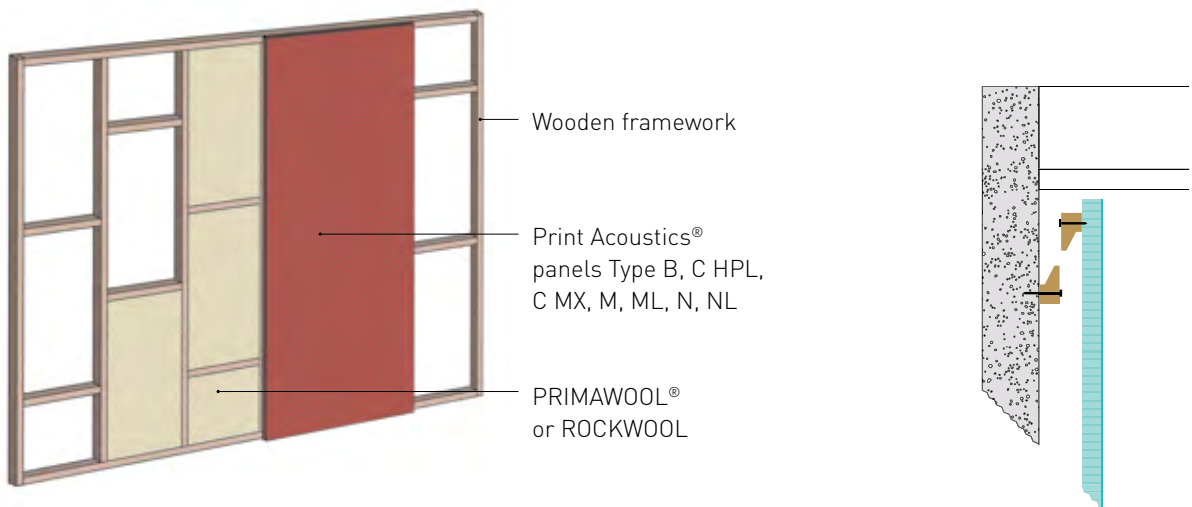
The short sides of two panels are mounted to a common underlying frame with a distance of 2 to 3 mm between them.

We advise you to leave a space at the top between the panel and the ceiling so as to enable you to join the two elements.

We advise you to leave a space of 2.5 mm per meter in height and width in order to allow the construction to expand.

Proposed installation patterns as well as our guidelines to store the panels can be found on Page 88. Our guidelines for corner and plinth details can be found on Page 90.

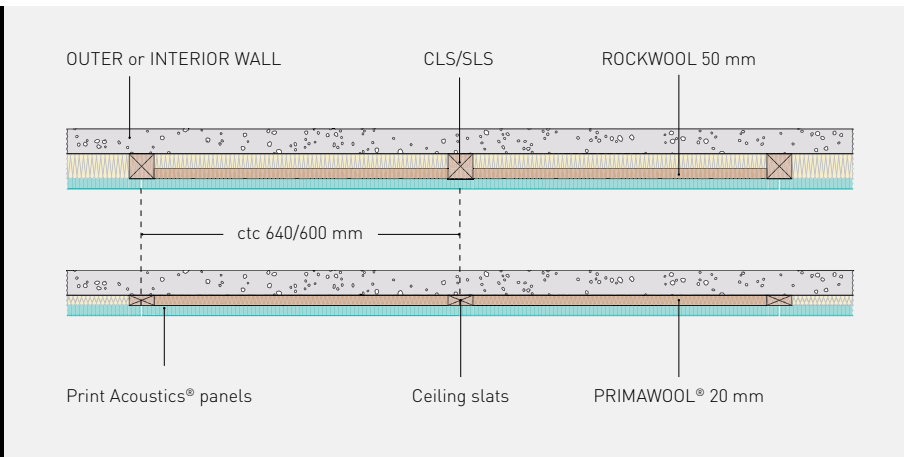
On request you can obtain specific installation guidelines and certificates for: walls with an expected increased impact (sports rooms, party rooms, etc.) according to standard ETAG 003 and EN 13,964 and for ceiling installation.



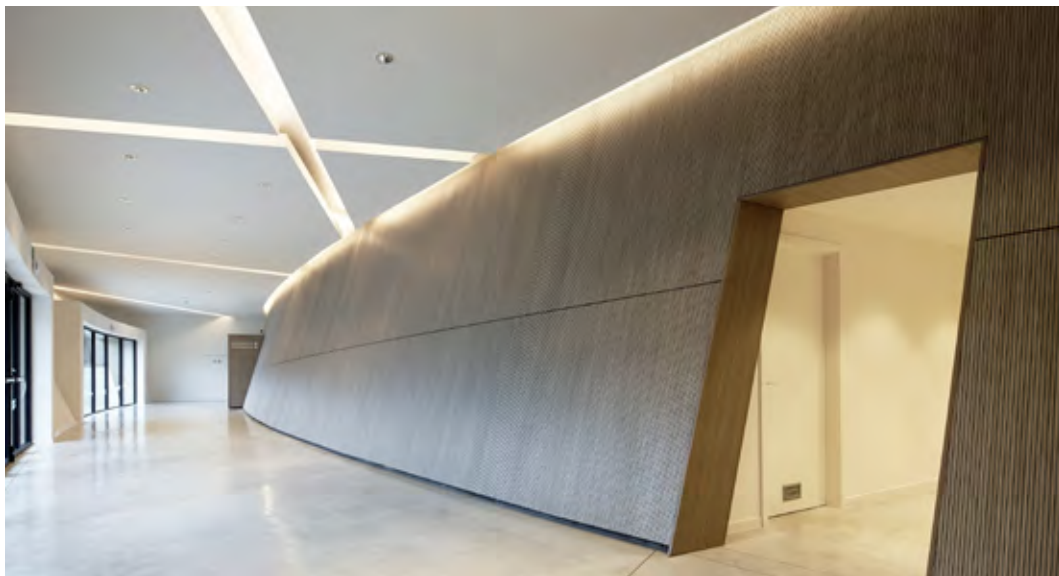
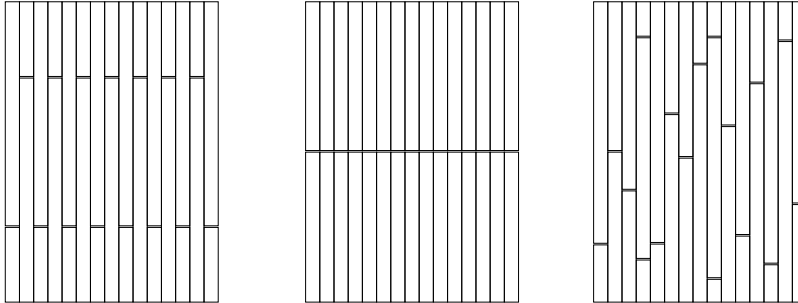
**TEST SET-UP
IN LABORATORY:**

**TOTAL THICKNESS
WALLS**
88/90 mm

**TOTAL THICKNESS
WALLS**
38/40 mm

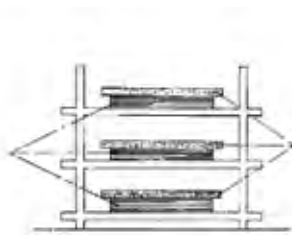


There are different possible installation patterns for panels and planks. A couple of examples of patterns with planks are given in the drawings below.



STORAGE OF FINISHED PANELS

The acoustic panels/planks can be mounted horizontally and vertically. For conditioning, we recommend to store the panels in the room at least 48 hours before mounting them. These panels are by nature and composition only to be mounted in a well-conditioned room with a relative humidity between 35 and 55 % and a temperature between 14 and 30 °C.

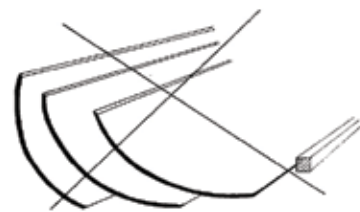


Print Acoustics® panels

Cover board of Print Acoustics® stack needs to be larger than the panels.



Print Acoustics® panels



Bad stacking



Print Acoustics is a TRIPLACO brand

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