

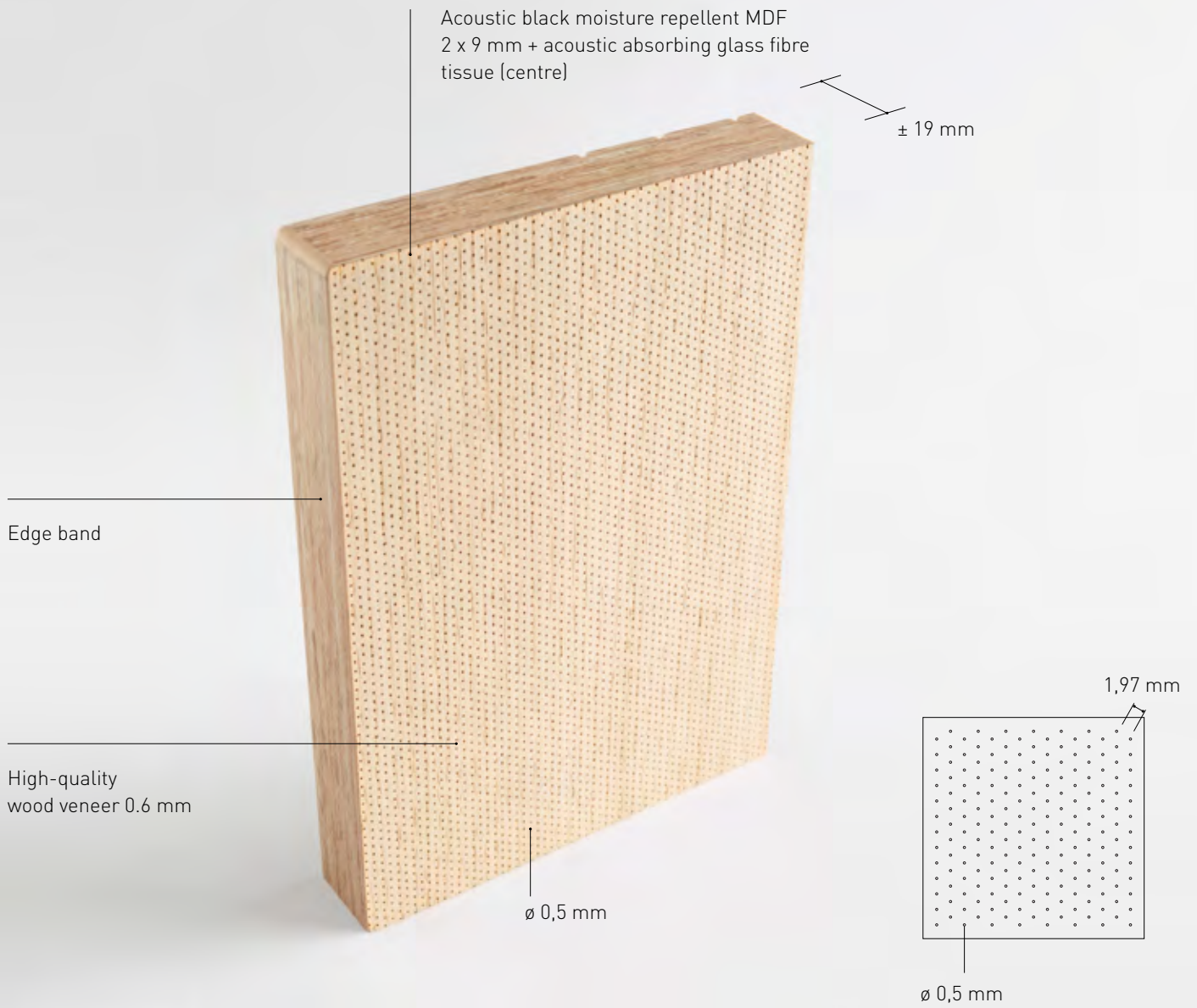
# PRINT ACOUSTICS

your silent partner

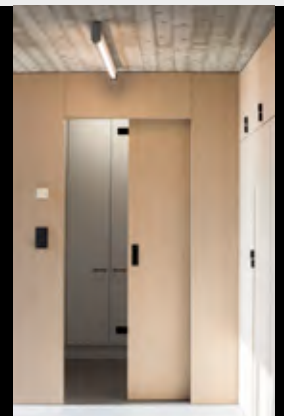


ACOUSTIC — ARCHITECTURAL — AMAZING

# TYPE N / wall-ceiling-cupboard door



INSTALLATION *see page 79*





MICRO/NANO

### MATERIAL COMPOSITION

- Top layer** High-quality wood veneer 0.6 mm
- Core** Acoustic black moisture repellent MDF 2 x 9 mm + acoustic absorbing glass fibre tissue (centre)
- Backing** High-quality wood veneer 0.6 mm

**WEIGHT** 11 kg/m<sup>2</sup>

### PERFORATION

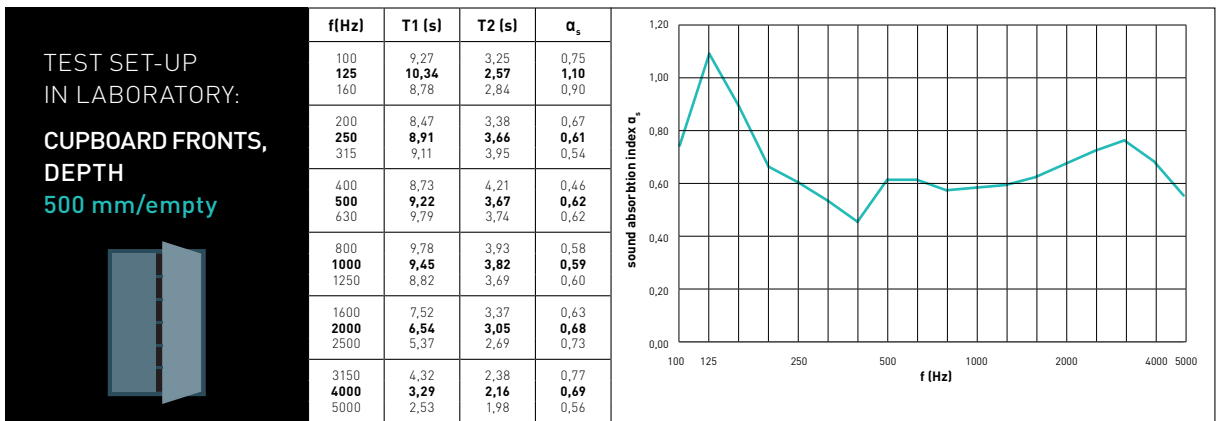
Type N with top layer perforations of 5.8%, core perforations of 44.2%: provided with perforated top layer and backing with nano perforations with a diameter of 0.5 mm across the entire surface area (diagonally, 1.97/1.97/0.5 mm) in combination with 2 x perforated core (provided with a full MDF of 55 mm and a perforated zone in the core [linear, 8/8/6 mm]) and acoustic absorbing glass fibre tissue (centre)

### STD. MEASUREMENTS FULL PANEL

Made-to-measure cupboard and sliding doors  
Thickness ±19 mm (veneer)

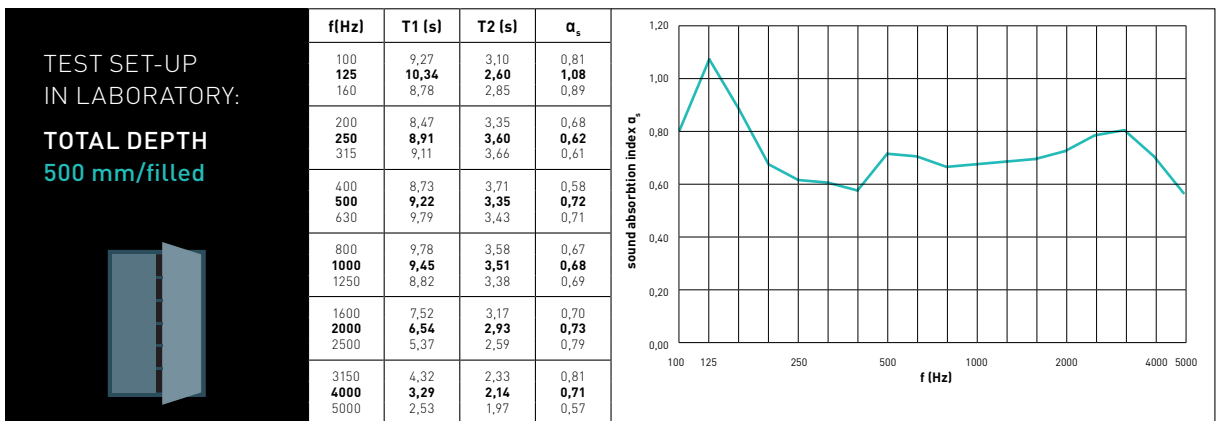
### OPTIONS

- Drilled holes for hinges** on request (see page 79)
- Edge finishing** edge band in veneer
- Top layer** veneer lacquer or colour oil
- Core** Acoustic black moisture repellent MDF or black fire retardant MDF (European fire class B)



f(Hz)	α <sub>p</sub>
125	0,90
250	0,60
500	0,55
1000	0,60
2000	0,70
4000	0,65

Total depth	% perfo top layer	% perfo core	α <sub>w</sub>	f(Hz)	Sound class	NRC	SAA
500 mm / empty	5,8%	44,2%	<b>0,60</b>		C	0,60	0,51
<b>Installation</b>	Mounted on wooden frame with a height of 500 mm (= simulation of an empty cupboard)						
Values according to reverberation room test EN ISO 354:2003 - EN ISO 11654:1997							



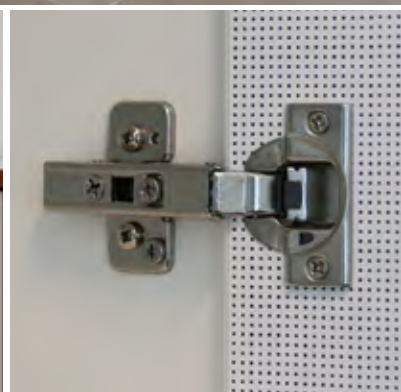
f(Hz)	α <sub>p</sub>
125	0,90
250	0,65
500	0,65
1000	0,70
2000	0,75
4000	0,70

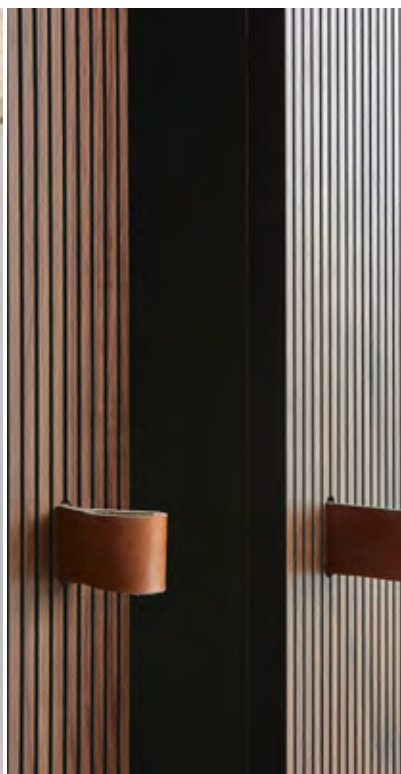
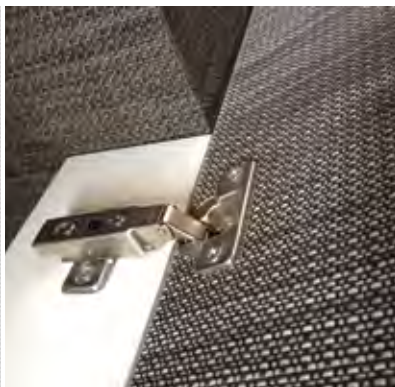
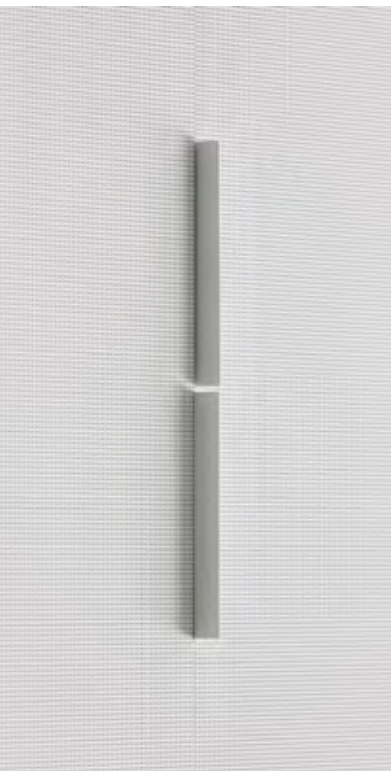
Total depth	% perfo top layer	% perfo core	α <sub>w</sub>	f(Hz)	Sound class	NRC	SAA
500 mm / filled	5,8%	44,2%	<b>0,70</b>		C	0,70	0,68
<b>Installation</b>	Mounted on wooden frame with a height of 500 mm (= simulation of a filled cupboard), filled with 20 mm of PRIMAWOOL of 22.5 kg/m <sup>3</sup> , stuck with spun fabric side on the back of the interior of the cupboard.						
Values according to reverberation room test EN ISO 354:2003 - EN ISO 11654:1997							

## MADE-TO-MEASURE CUPBOARD DOORS

Why opt for acoustic cupboard door fronts?

Within the project, Print Acoustics offers you the possibility of a complete solution for sound absorption in the room. Our panels enable you to install an integrated sound absorbing wall, interior door and cupboard door. This way, you can design your room the way you want to.










Within our range of acoustic absorbing panels, you can also choose from the made-to-measure cupboard fronts listed below. All our cupboard fronts come with an absorption certificate issued by an independent acoustic laboratory.

TYPE	NAME	PERFO	BLADE	GROOVE	TOP LAYER	CUPBOARD DOOR	EDGE-FINISHING	EDGE-FINISHING
		continuous %	width (mm)	width (mm)		width = B (mm)	long sides	short sides


**GROOVED**

	Db Transversal core Wide blade	8,75	13,2	2,8	HPL veneer	B-[2x13,2]-2,8 = multiplicity 16 mm	ABS veneer	ABS -
	Ds Transversal core Small blade	17,5	5,2	2,8	HPL veneer	B-[2x5,2]-2,8 = multiplicity 8 mm	ABS veneer	ABS -
	Dr Transversal core Random blade	8,75	Random	2,8	HPL veneer	free	ABS veneer	ABS -
	Dw Transversal core Broad blade	4,35	29,2	2,8	HPL veneer	B-[2x29,2]-2,8 = multiplicity 32 mm	ABS veneer	ABS -


**MICRO/NANO**

	M Micro	10,6	-	-	HPL veneer	free*	ABS veneer	ABS veneer
	N Nano	5,8	-	-	veneer	free*	veneer	veneer


**TEXTILE**

	Id Invisible door	-	-	-	Woven Vinyl	free	-	-
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\* The perforations can differ slightly near the edge.

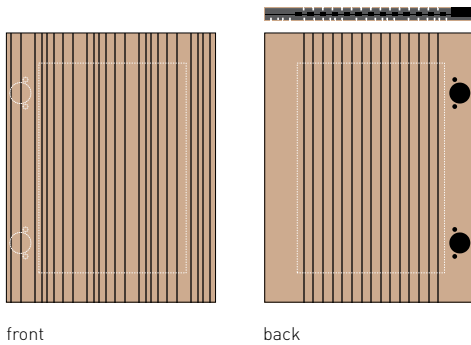
▶ This product is not sold in Germany in respect of European patent EP1411179 / valid German DE503 05 161.6-08

Print Acoustics cupboard doors can only be made to measure. Within this scope, we always follow your instructions in terms of quantities and dimensions. If desired, we can also provide the doors with drilled holes for hinges, millings for handles and edging with ABS edge band of 1 or 2 mm (four sides) or in case of veneer with a veneer edge band (two long sides).

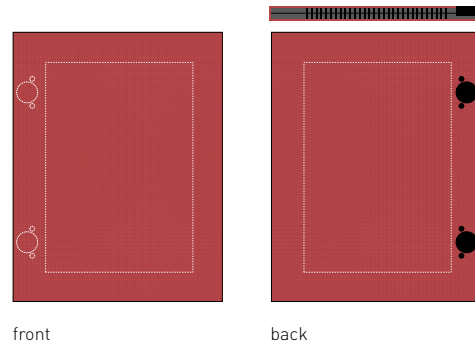
## CUPBOARD DOOR HINGE

Acoustic absorbing cupboard doors are strongly perforated in the core to optimise absorption capacity. To ensure stability of the cupboard doors, we provide a full edge frame at the core of approx. 50 mm and, depending on the height, 1 or 2 horizontal transverses. Due to the acoustic black MDF core, this is almost invisible.

### GROOVED

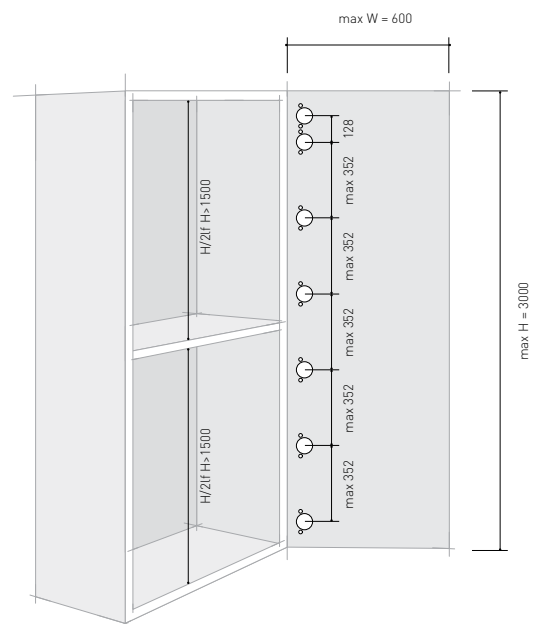


### MICRO/NANO



When designing and installing acoustic cupboard doors, you must take into account the following areas of concern:

- > max width of 600 mm
- > max height of 3000 mm
- > first and last hinge at 125 mm from the edge
- > double hinge to be provided at the top
- > distance between hinges max 352 mm
- > spacers on back side of the door
- > cupboard magnets (3 magnets divided across the height)
- > In case of high cupboards, one permanent shelf is installed halfway the height of the cupboard. This shelf must be in the plane of the body.



## CUPBOARD SLIDING DOOR

Print Acoustics can also produce cupboard sliding doors which can be easily installed by means of a top-running system with the rail fixed directly underneath the door lintel and a guide at the bottom. You can always contact us for any more information on the technical requirements.

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.

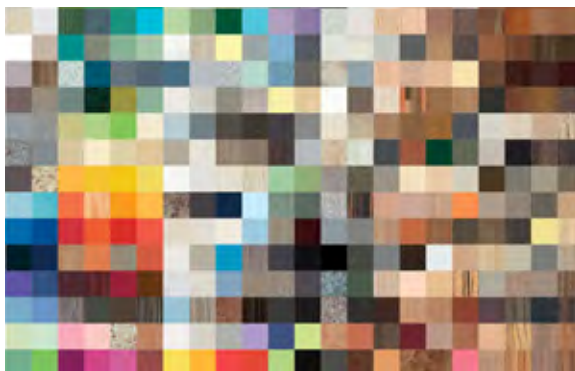
If desired, you can request samples of the top layer you are interested in.

## 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/cm<sup>2</sup>), 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](http://www.printacoustics.com).

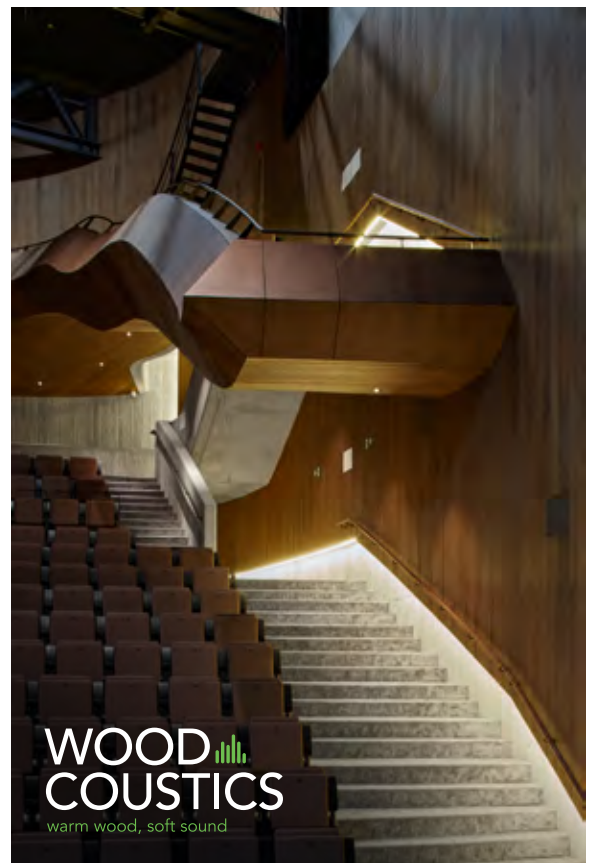


## 2. VENEER

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







Print Acoustics is a TRIPLACO brand

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