



Seatorium

SEATORIUM

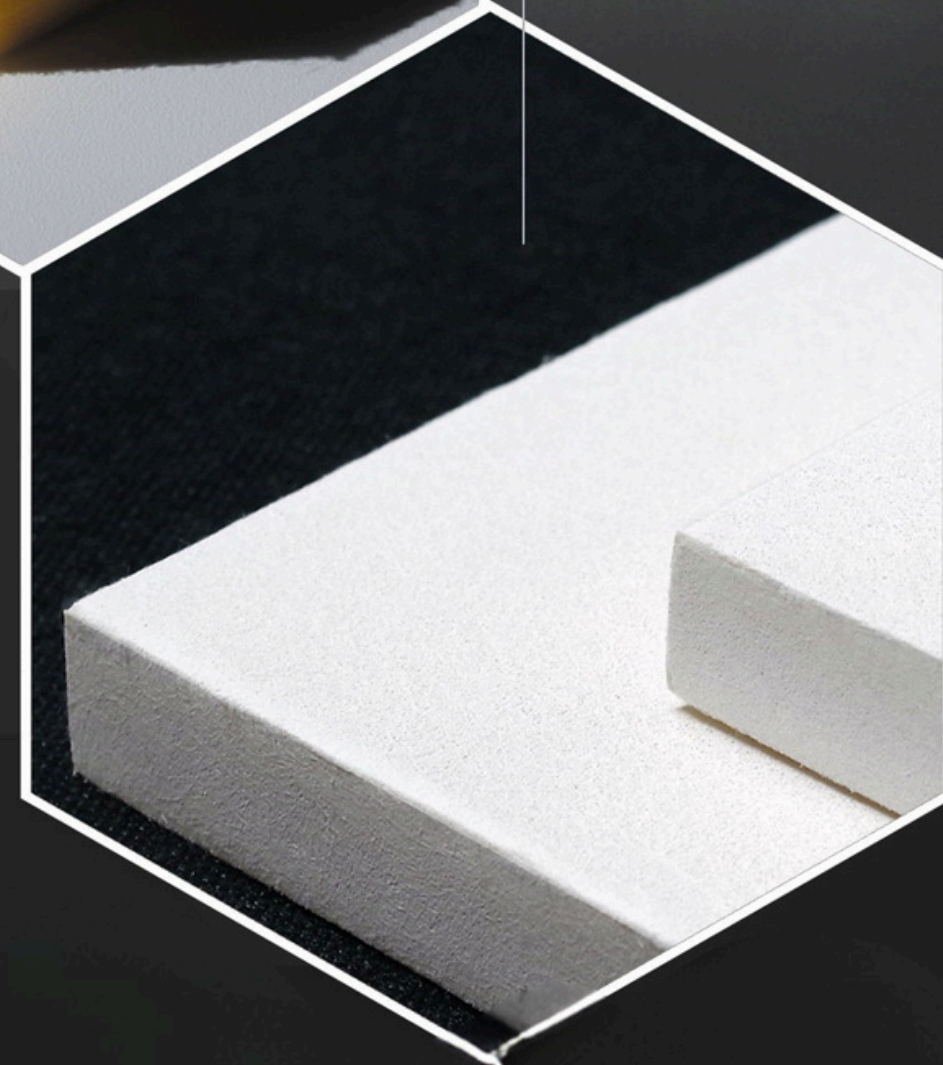
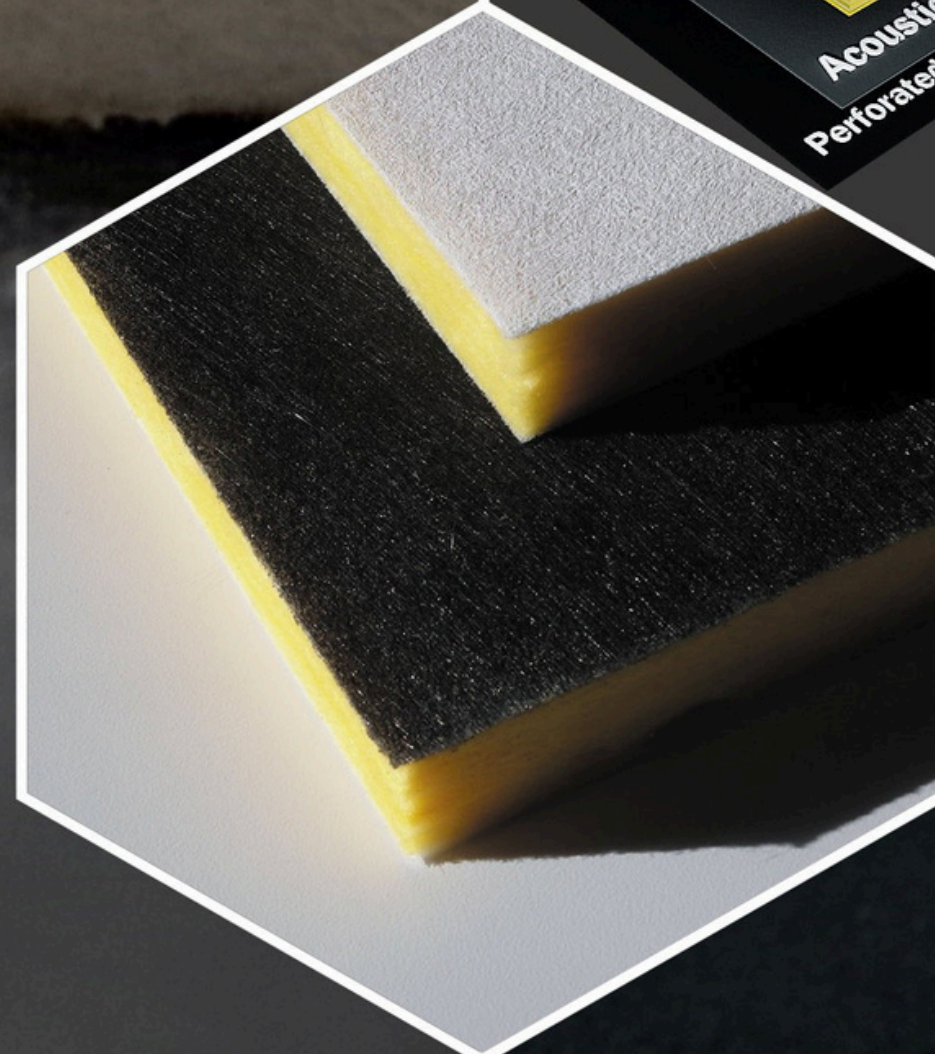
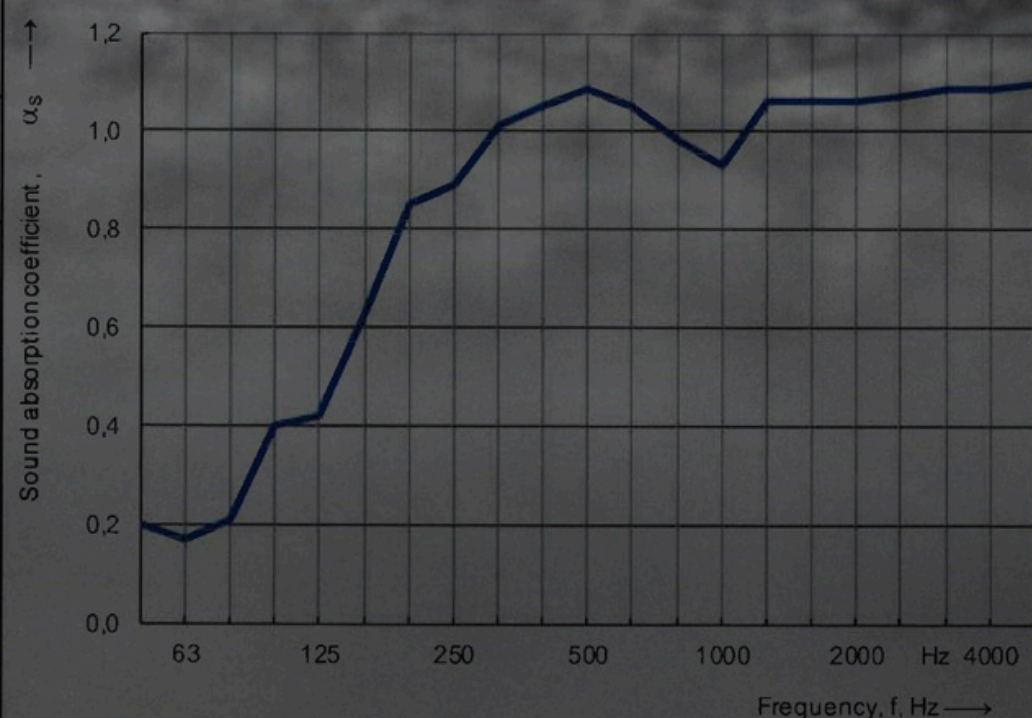
ACOUSTIC PANEL



OD2095 Ceiling Tiles

- 20mm HIGH DENSITY GLASSWOOL CORE
- ACOUSTICALLY TRANSPARENT TISSUE
- HIGHLY TRANSPARENT BACKING
- ENVIRONMENTALLY FRIENDLY MATERIALS
- ISO11654 α_w : 1.00
- THERMAL RESISTANCE: $R = 0.66$
- ISO EN13501-1 A2 NON FLAMMABLE
- CEILING PANELS WITH OPTIONAL CLOSED SIDES

Frequency f [Hz]	α_s 1/3 octave
50	0,20
63	0,17
80	0,21
100	0,40
125	0,42
160	0,63
200	0,85
250	0,89
315	1,01
400	1,05
500	1,09
630	1,05
800	0,98
1000	0,93
1250	1,06
1600	1,06
2000	1,06
2500	1,07
3150	1,09
4000	1,09
5000	1,10



PROFESSIONAL SOLUTIONS

"After the high density glasswool boards resized and the edges are hardened by water-based materials, all visible surfaces are covered with glassfibre tissue. Each sides of the panel are covered with glassfleece. Standard sizes are 60x60cm, 60x120cm, 60x60cm, 60x120cm, 60x180cm, 60x240cm, 120x120cm, 120x240cm"

ISO9001, ISO14001,
OHSAS18001
ISO13501-1 A2



SUSTAINABLE QUALITY

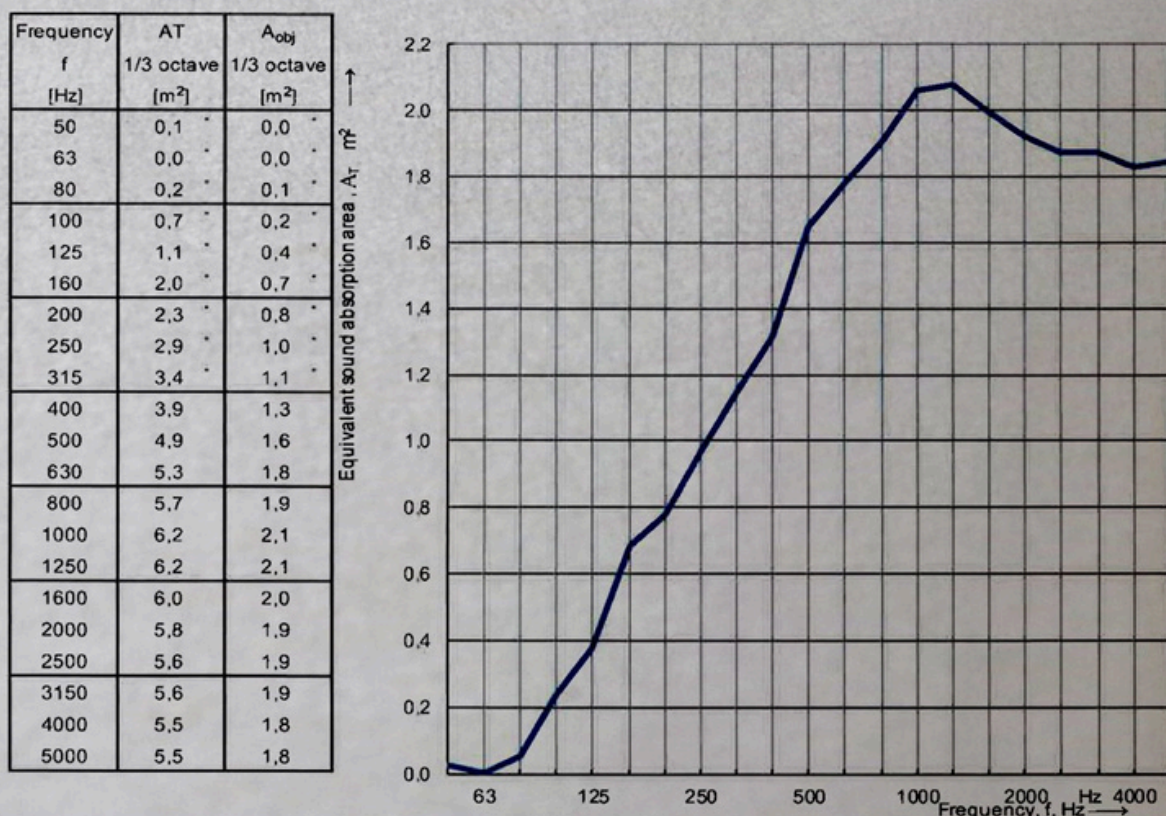
"Seatorium panels, outsources materials from wellknown and proved to be reliable manufacturers. Utilization of CNC machines ensures that every piece of panel manufactured in ISO9001 certified modern plant, stays within specifications."



Seatorium

OD4095CN Canopy

- CORE MATERIAL : 95 kg/m³ high density glasswool
- THICKNESS : 40 mm
- EDGE DETAIL : Square and strengthened edges
- FIRE REACTION CLASS : A2 s1 d0 TS EN 13501 - 1 + A1 : 2013
- ACOUSTIC VALUE : NRC value is 0.96
- SIZE : 600mm to 1200mm on height and 600mm to 3000mm on width.
- CLEANING : Daily vacuum cleaning. Weekly damp cloth wiping.
- INSTALLATION : Suspension set
- INFLUENCE OF CLIMATE : The tiles/modules withstand a permanent ambient RH up to 70% at 25°C following the test standard in EN 13964



PROFESSIONAL SOLUTIONS

"After the high density glasswool boards are given form and the edges are strengthened by water-based hardeners, all surfaces are covered with glassfibre tissue. Both sides of the panel are covered with glassfleece. Standard sizes are 60x60cm, 60x120cm, 60x60cm, 60x120cm, 60x180cm, 60x240cm."



SUSTAINABLE QUALITY

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ISO9001, ISO14001,
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ISO13501-1 A2

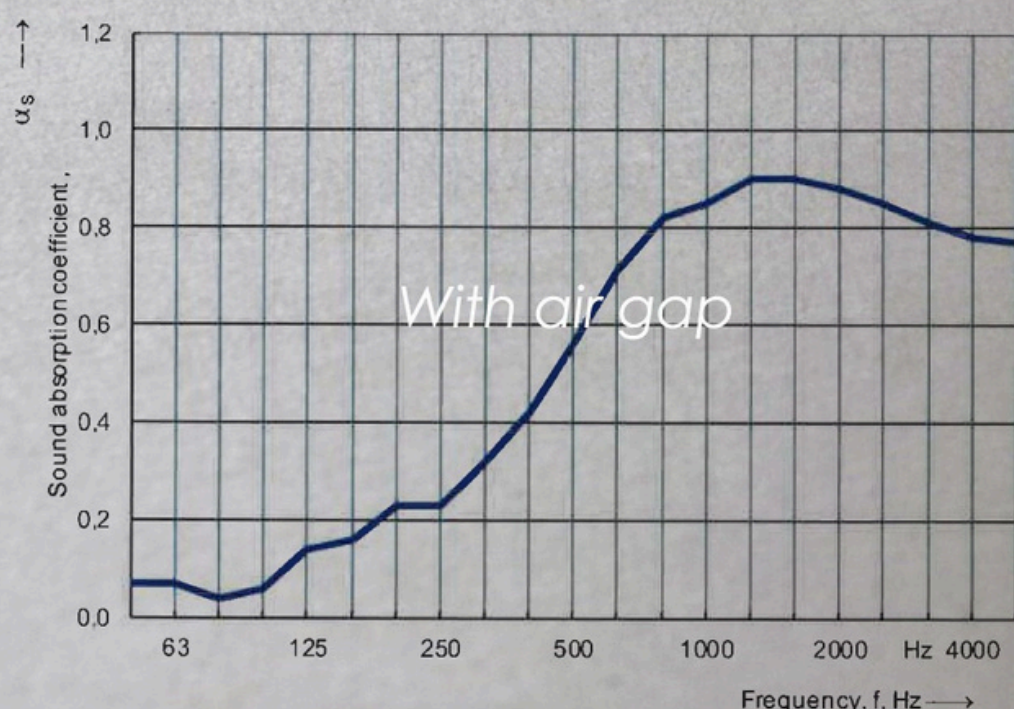


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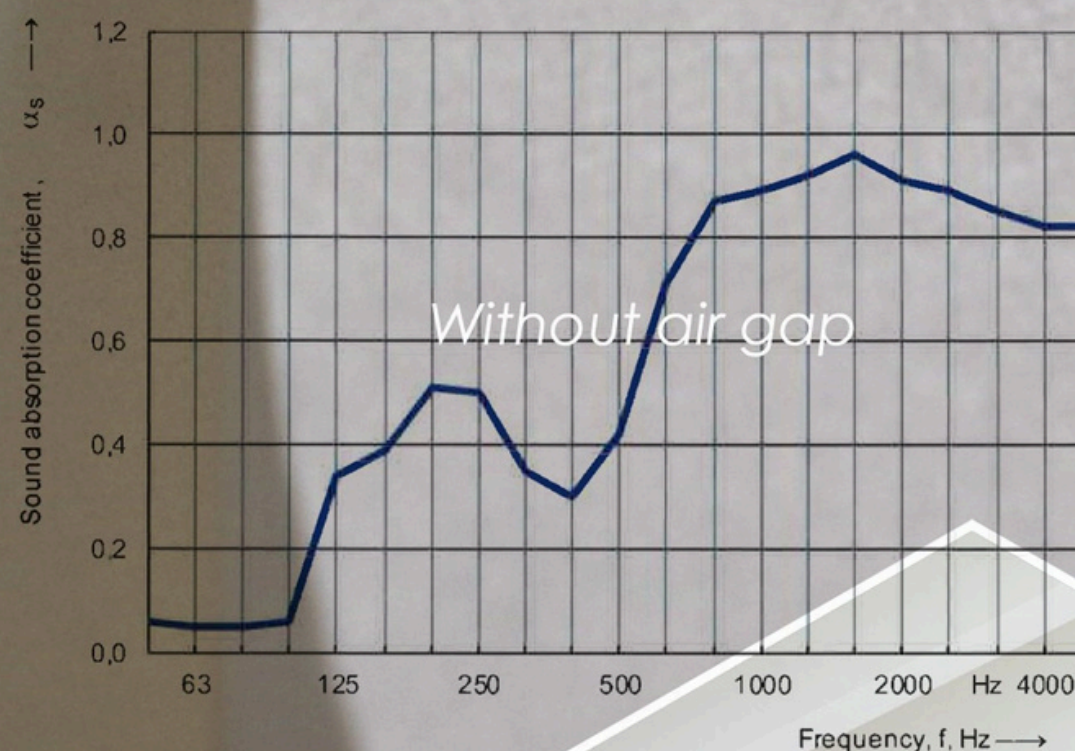
OD4095B Baffle

- CORE MATERIAL : 95 kg/m³ high density glasswool
- THICKNESS : 40 mm
- EDGE DETAIL : Square and strengthened edges
- FIRE REACTION CLASS : A2 s1 d0 TS EN 13501 - 1 + A1 : 2013
- ACOUSTIC VALUE : NRC value is 0.96, α_W : 0.60 ISO 11654
- SIZE : 600mm to 1200mm on height and 600mm to 3000mm on width.
- CLEANING : Daily vacuum cleaning. Weekly damp cloth wiping.
- INSTALLATION : Suspension sets at corners
- INFLUENCE OF CLIMATE : The tiles/modules withstand a permanent ambient RH up to 70% at 25°C

following the test standard in EN 13964



Frequency f [Hz]	α_s 1/3 octave
50	0.07
63	0.07
80	0.04
100	0.06
125	0.14
160	0.16
200	0.23
250	0.23
315	0.32
400	0.42
500	0.56
630	0.71
800	0.82
1000	0.85
1250	0.90
1600	0.90
2000	0.88
2500	0.85
3150	0.81
4000	0.78
5000	0.77



Frequency f [Hz]	α_s 1/3 octave
50	0.06
63	0.05
80	0.05
100	0.06
125	0.34
160	0.39
200	0.51
250	0.50
315	0.35
400	0.30
500	0.42
630	0.71
800	0.87
1000	0.89
1250	0.92
1600	0.96
2000	0.91
2500	0.89
3150	0.85
4000	0.82
5000	0.82



PROFESSIONAL SOLUTIONS

"After the high density glasswool boards are given form and the edges are strengthened by water-based hardeners, all surfaces are covered with glassfibre tissue. Each sides of the panel are covered with glassfleece. Standard sizes are 60x60cm, 60x120cm, 60x60cm, 60x120cm, 60x180cm, 60x240cm."

ISO9001, ISO14001,
OHSAS18001
ISO13501-1 A2



SUSTAINABLE QUALITY

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Seatorium

MD Series

*"Sustainable quality,
environmentally friendly..."*

MEDIUM DENSITY FIBERBOARD ACOUSTIC PANELS WITH PERFORATIONS AND GROOVES

60x120cm, 60x180cm, 60x240cm Standard Dimensions.

Up to 32000 Perforations Per Metersquare.

Optional Tongue&Groove edges

Optional veneer finish.



Seatorium



SEATORIUM MDF PANELS

Seatorium MDF Acoustic Panel manufacturing processes are done by CNC machines and these panels can be slotted, perforated or plain. These kind of perforated and/or slotted panels serves as semi reflective surface while reducing the effect of some of the frequencies which are actually components of sound. Hole size and slot specifications defines the effective frequency range of MDF acoustic panels."



COLOR & SIZING

"Veneer finishing is a long process. Impurity of wood surface makes processes even harder to complete.If a project requires such product, Seatorium has a simple solution. A MDF panel with genuine wood layer on it. These panels can be processed as MDF panels and can be perforated and slotted. Main difference is the surface finish. It is painted with UV cured paints/varnish. Limited range of coloring is possible if it is required"



CERTIFICATES

ISO9001, ISO14001, OHSAS18001



CONTACT

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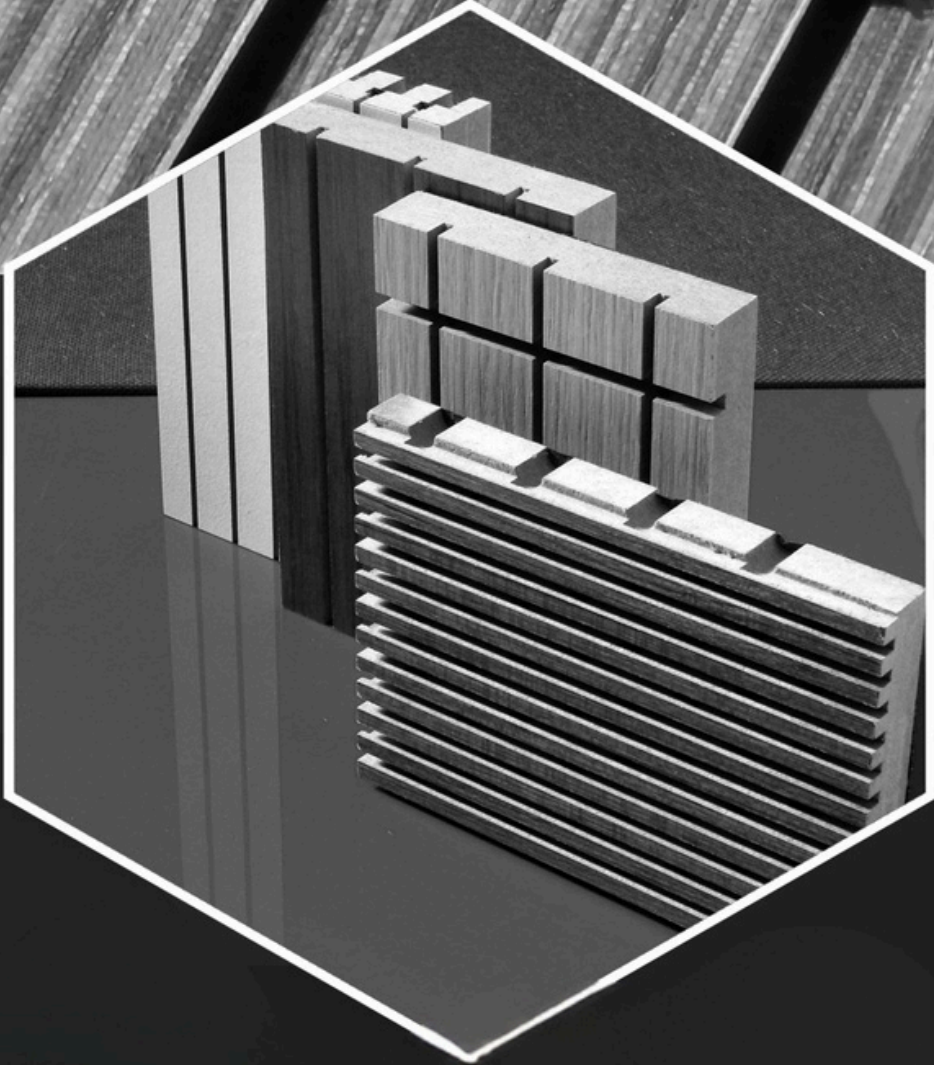
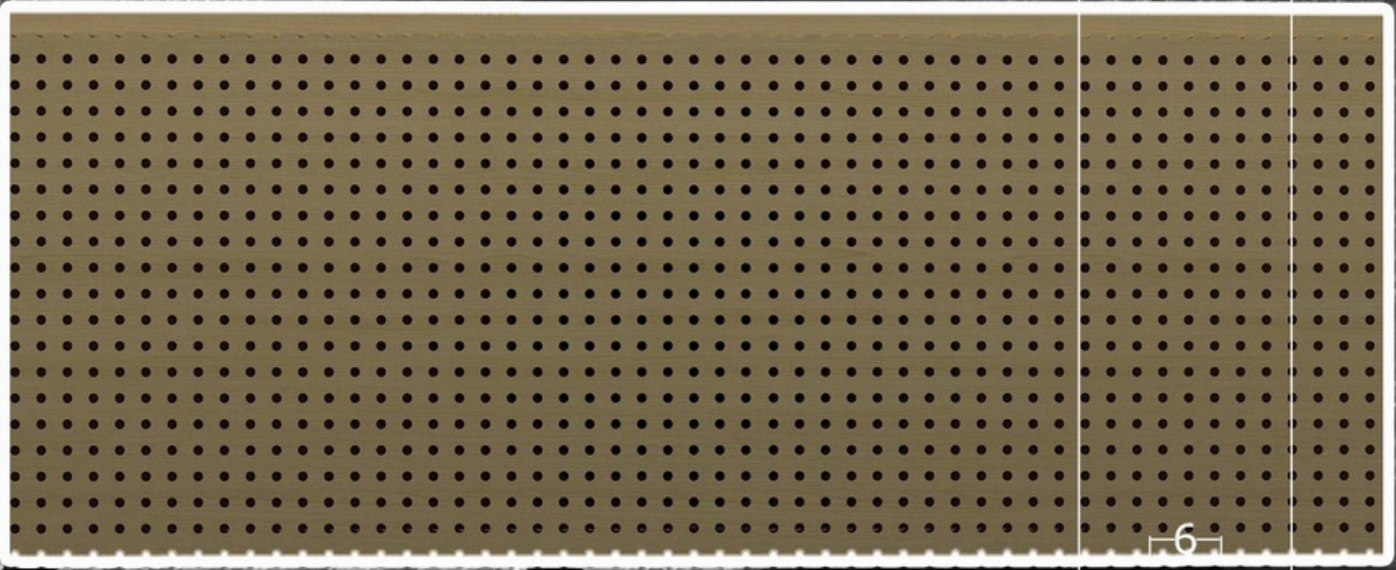
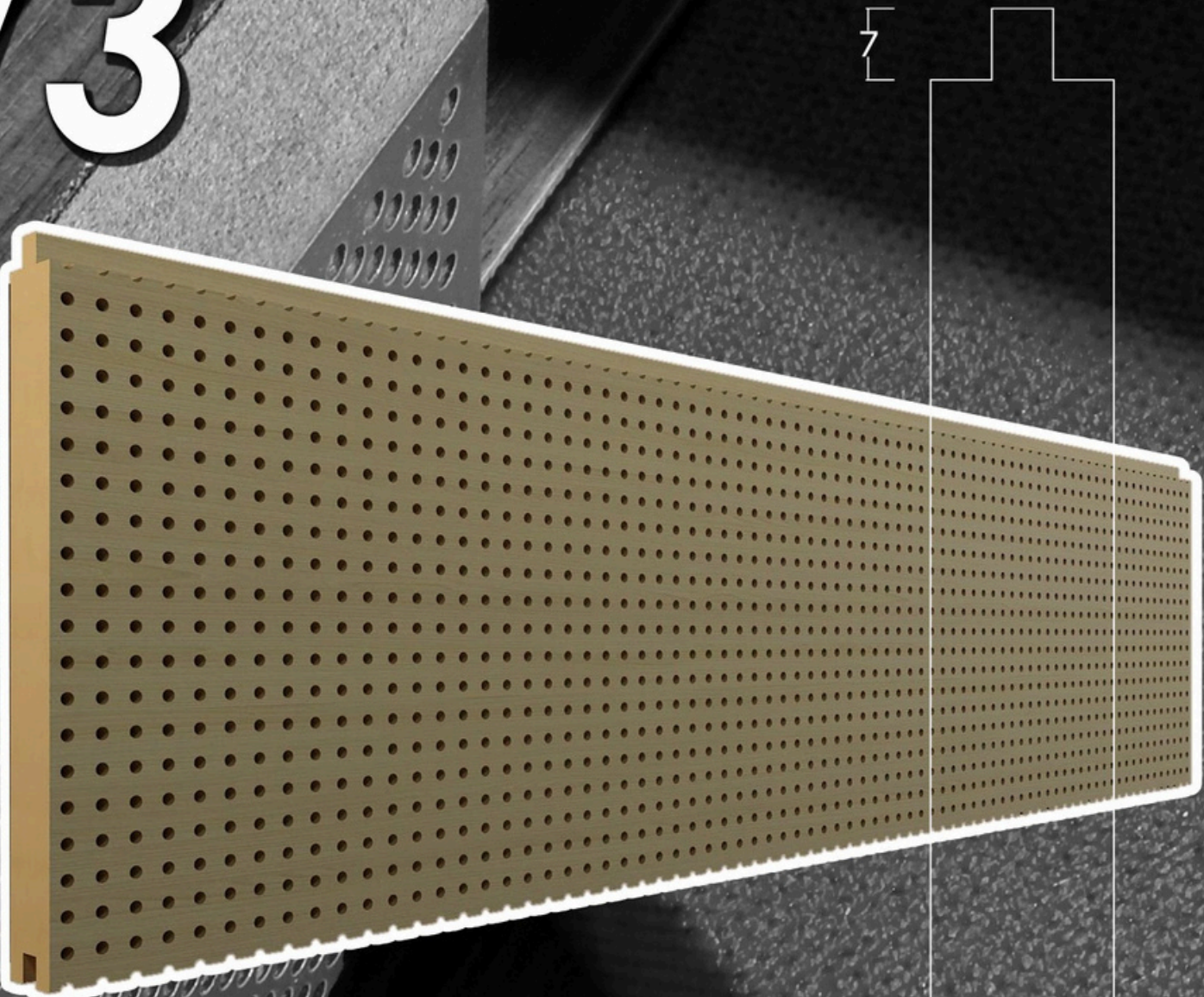
Group Mail: export@seatorium.com

www.seatorium.com

MD-8/8/3

- 18 or 25mm MDF, Ø 3 mm perforations
- Melamine or genuine wood surface
- Acoustic Backing Tissue
- Up to 32000 Perforations
- Optional fire proof MDF materials
- Project specific TONGUE & GROOVE edges

Frequency [Hz]	α_s	α_s	α_s
100	0,13	0,44	0,52
125	0,22	0,47	0,56
160	0,33	0,60	0,65
200	0,46	0,78	0,69
250	0,61	0,83	0,67
315	0,80	0,84	0,72
400	0,90	0,79	0,72
500	0,96	0,81	0,78
630	1,01	0,85	0,86
800	0,98	0,87	0,87
1.000	0,95	0,91	0,89
1.250	0,85	0,83	0,85
1.600	0,80	0,80	0,82
2.000	0,72	0,74	0,77
2.500	0,65	0,66	0,69
3.150	0,55	0,58	0,60
4.000	0,47	0,50	0,53
5.000	0,40	0,41	0,44
α_w	0,65	0,70	0,70
N RC	0,80	0,80	0,80
SAA	0,81	0,81	0,78
Absorption Class	C	C	C



PROFESSIONAL SOLUTIONS

"Seatorium panels are being manufactured by using high quality and certified MDF core materials, by high speed cnc machines, with high quality backing fabric with acoustical properties while utilizing experienced labor force to achieve a standard quality on each panel. Standard sizes are 60x60cm, 60x120cm, 60x60cm, 60x120cm, 60x180cm, 60x240cm."



SUSTAINABLE QUALITY

"Seatorium panels, outsources materials from wellknown and proved to be manufacturers. Utilization of CNC realiable machines ensures that every piece of panel manufactured in ISO9001 certified modern plant, stays within specifications."

ISO9001, ISO14001,
OHSAS18001
ISO13501-1 B, *A2

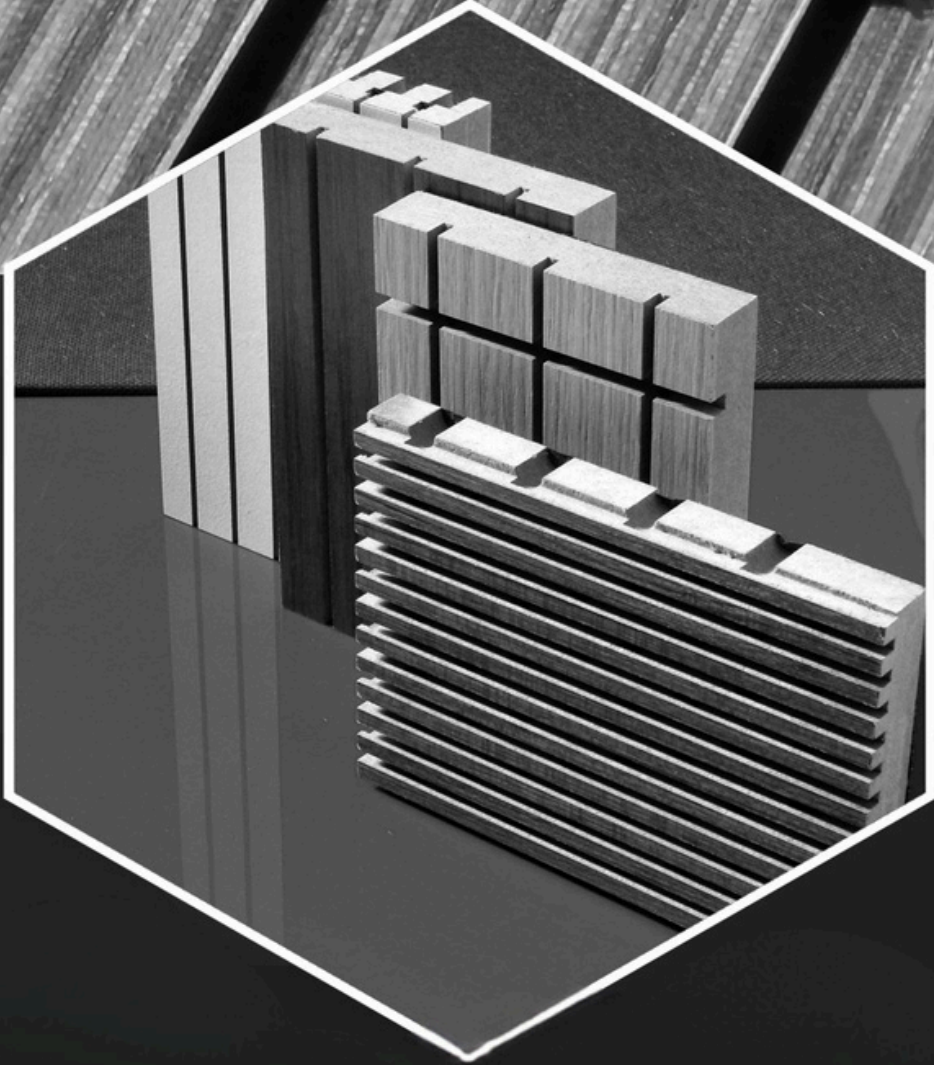
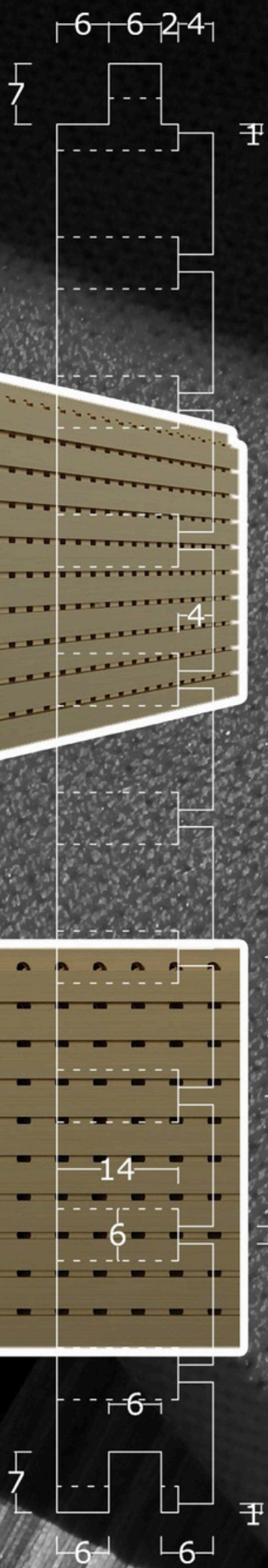
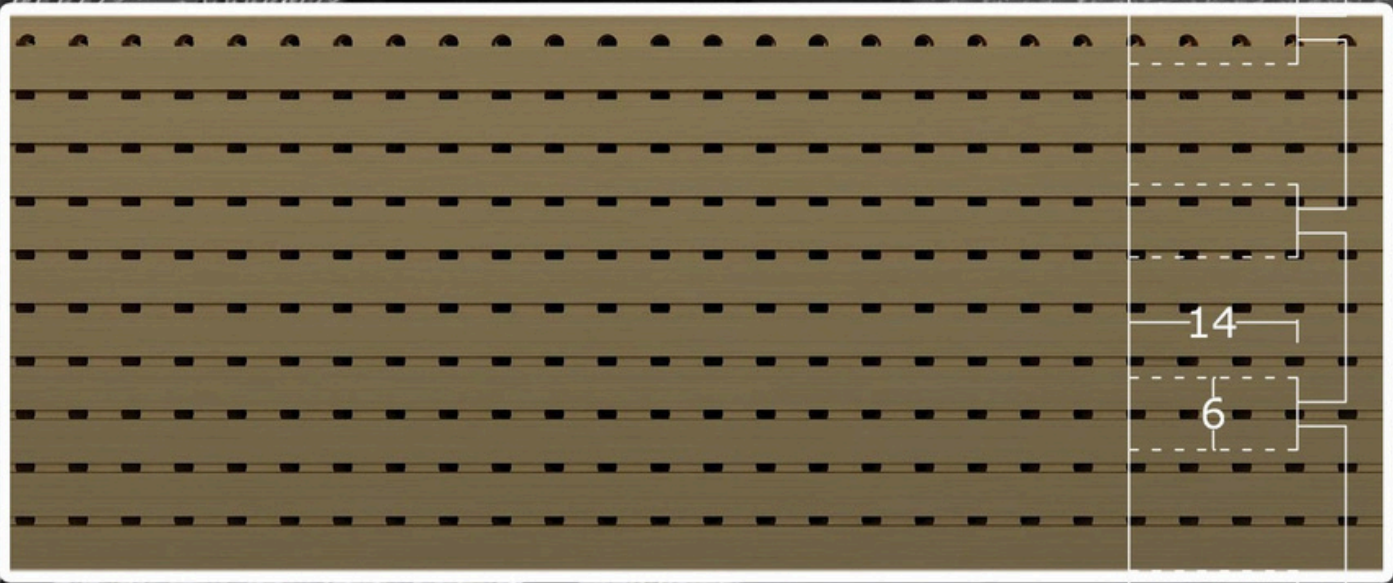
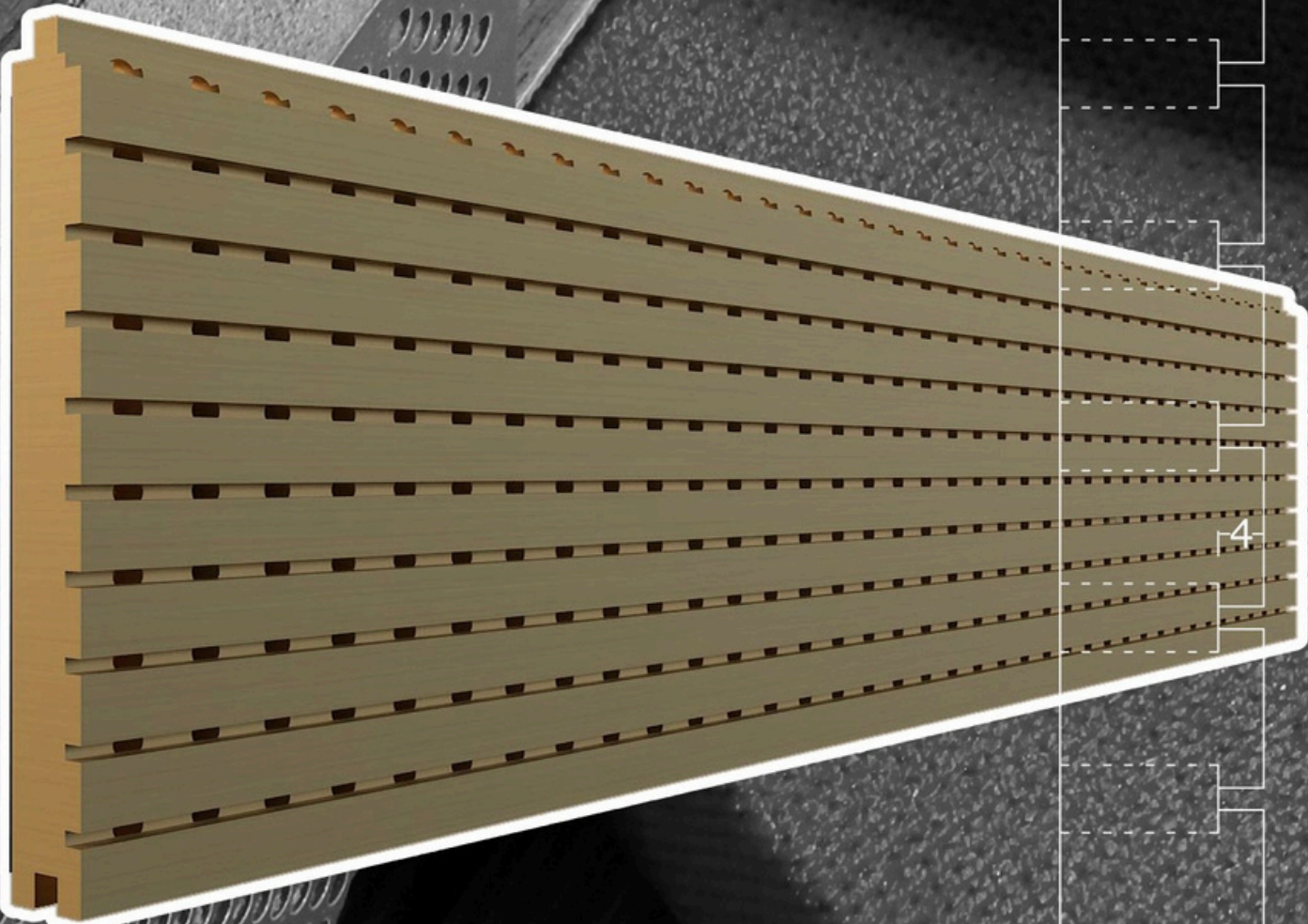


Seatorium

MD-16/2

- 18 or 25mm MDF, Ø 6 mm perforations
- Melamine or genuine wood surface
- 2mm wide grooves on surface
- Up to 8000 Perforations
- Optional fire proof MDF materials
- Project specific TONGUE & GROOVE edges

Frequency [Hz]	α_s	α_s	α_s
100	0,10	0,40	0,54
125	0,14	0,51	0,59
160	0,25	0,74	0,75
200	0,34	0,78	0,74
250	0,47	0,99	0,82
315	0,66	0,91	0,82
400	0,80	0,91	0,83
500	0,97	0,89	0,80
630	1,03	0,89	0,97
800	1,01	0,86	0,91
1.000	0,96	0,89	0,91
1.250	0,88	0,84	0,87
1.600	0,76	0,80	0,84
2.000	0,66	0,78	0,81
2.500	0,59	0,72	0,76
3.150	0,56	0,71	0,71
4.000	0,52	0,71	0,69
5.000	0,53	0,75	0,67
α_w	0,70	0,80	0,85
N RC	0,75	0,90	0,85
SAA	0,76	0,86	0,84
Absorption Class	C	B	B



PROFESSIONAL SOLUTIONS

"Seatorium panels are being manufactured by using high quality and certified MDF core materials, by high speed cnc machines, with high quality backing fabric with acoustical properties while utilizing experienced labor force to achieve a standard quality on each panel. Standard sizes are 60x60cm, 60x120cm, 60x60cm, 60x120cm, 60x180cm, 60x240cm."



SUSTAINABLE QUALITY

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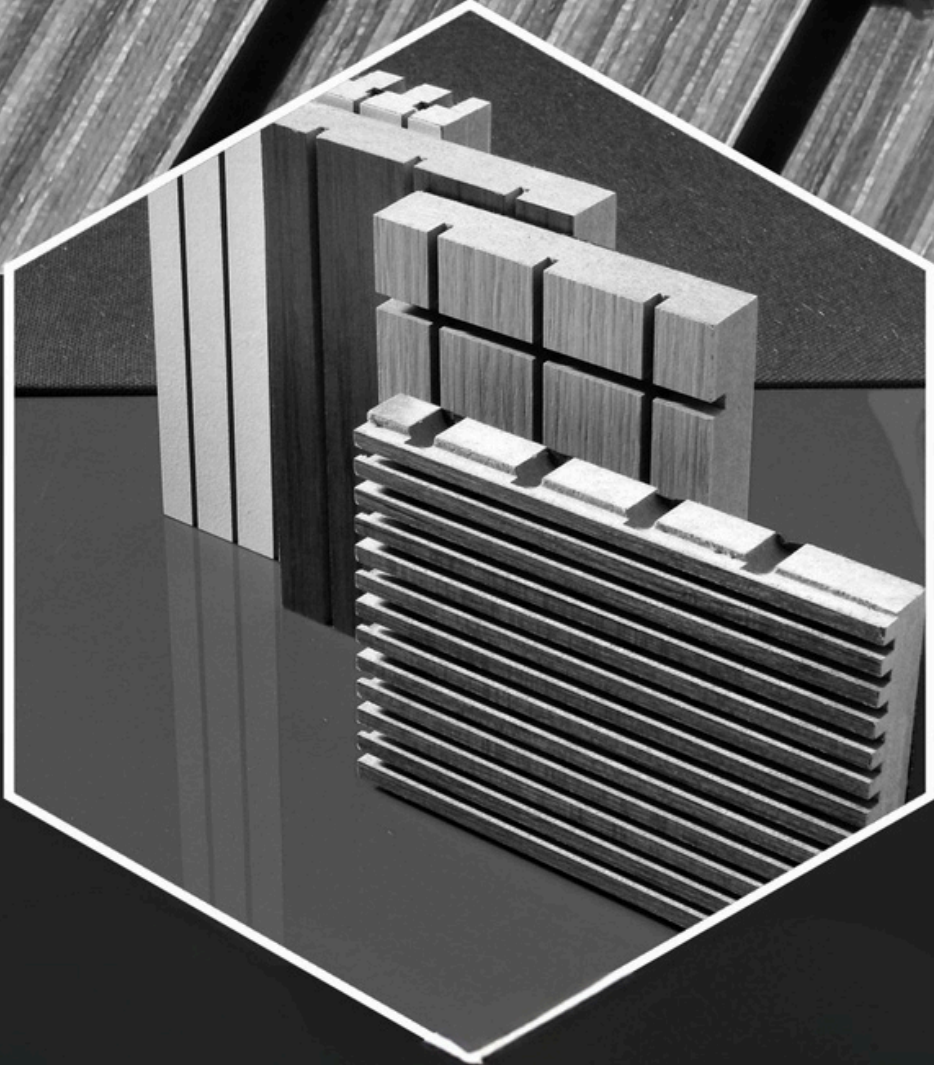
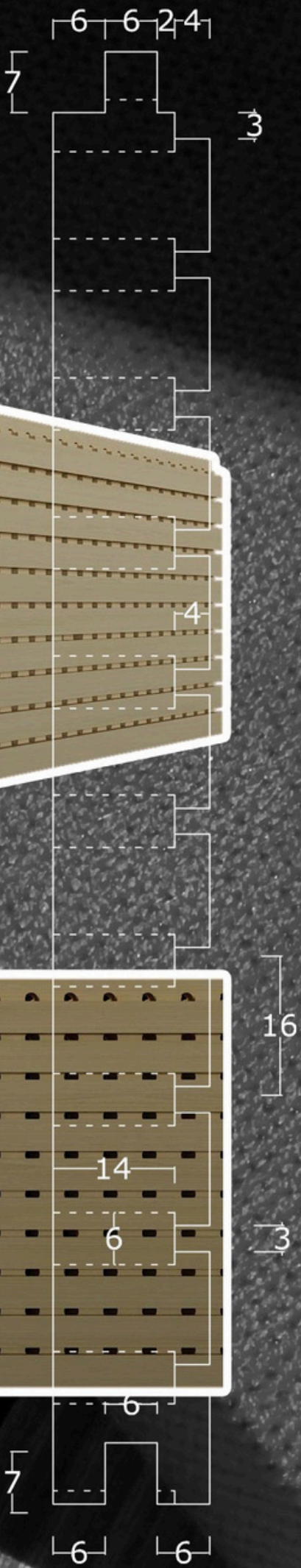
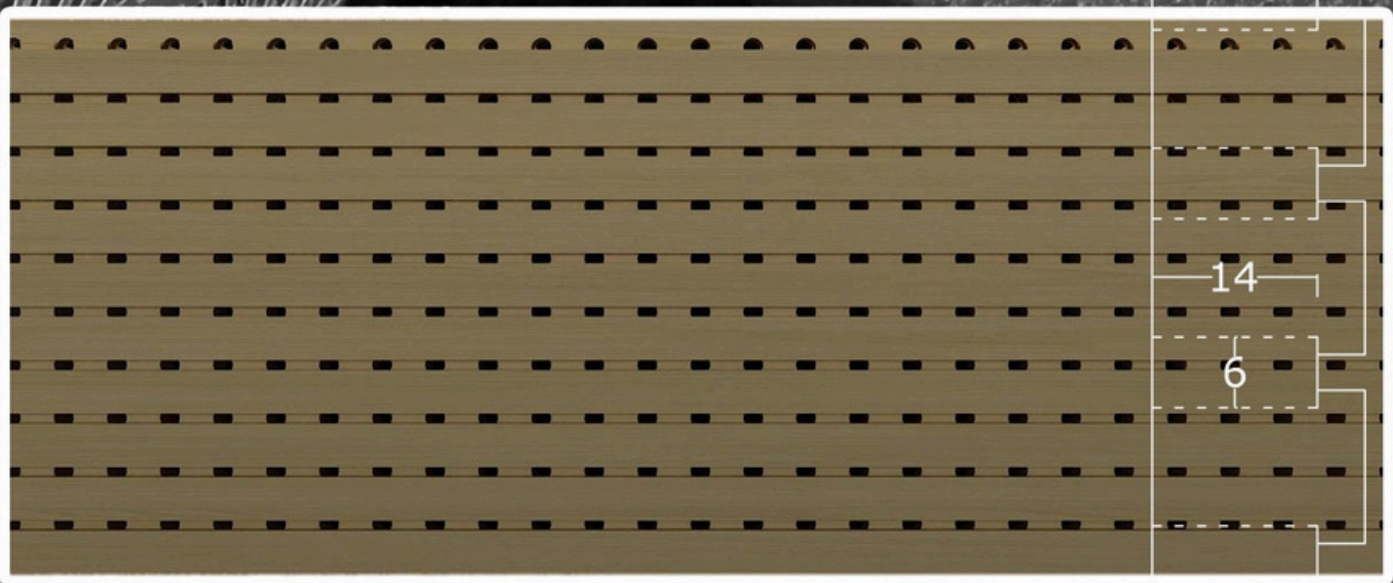
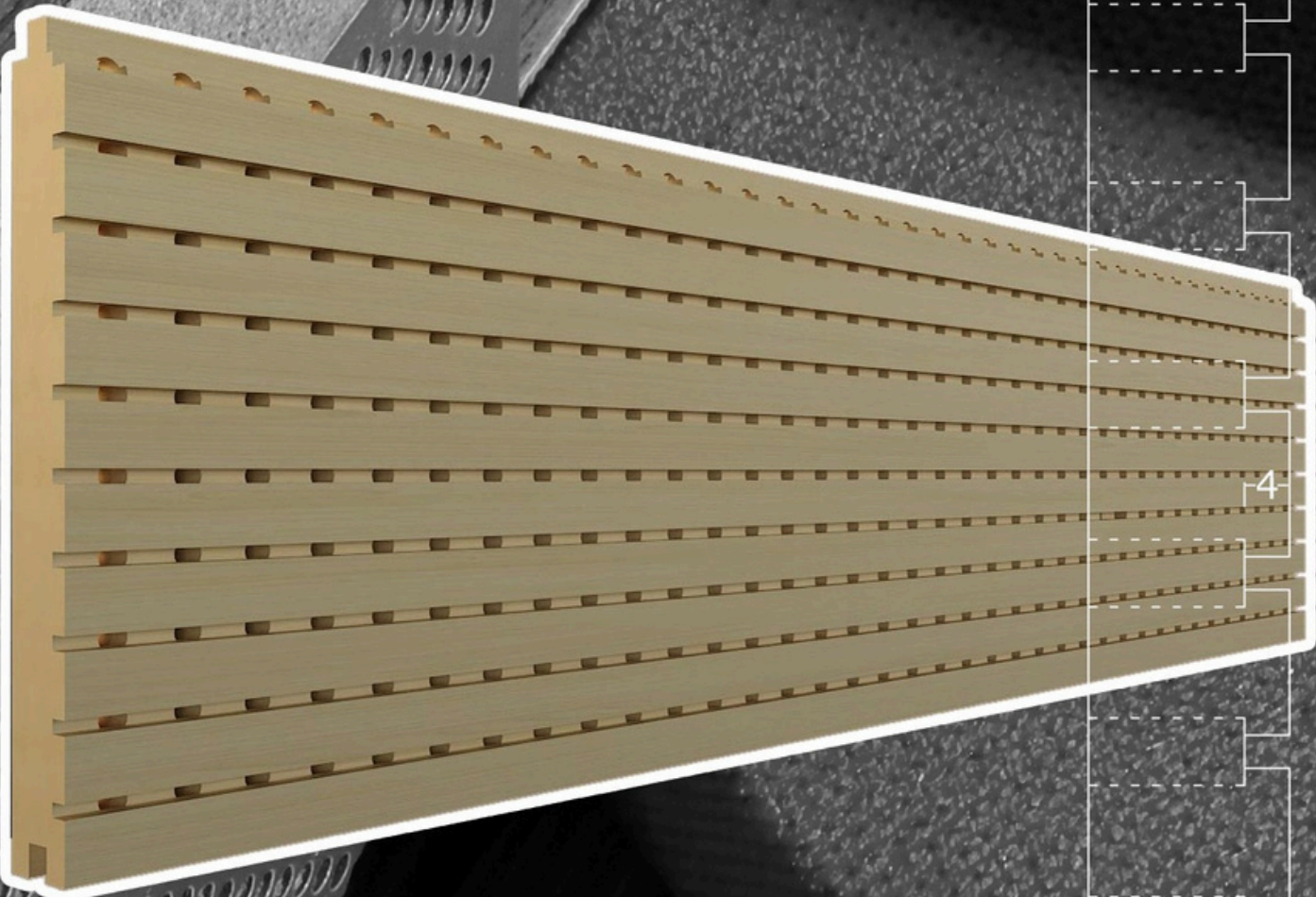


Seatorium

MD-16/3

- 18 or 25mm MDF, Ø 6 mm perforations
- Melamine or genuine wood surface
- 3mm wide grooves on surface
- Up to 8000 Perforations
- Optional fire proof MDF materials
- Project specific TONGUE & GROOVE edges

Frequency [Hz]	α_s	α_s	α_s
100	0,10	0,40	0,52
125	0,18	0,53	0,62
160	0,24	0,78	0,75
200	0,34	0,88	0,62
250	0,45	0,94	0,73
315	0,65	0,97	0,75
400	0,81	0,94	0,79
500	0,92	0,91	0,83
630	1,01	0,91	0,91
800	1,03	0,90	0,95
1.000	0,97	0,93	0,95
1.250	0,93	0,90	0,93
1.600	0,86	0,86	0,91
2.000	0,76	0,85	0,89
2.500	0,71	0,82	0,84
3.150	0,63	0,77	0,81
4.000	0,60	0,77	0,80
5.000	0,62	0,77	0,81
α_w	0,75	0,90	0,90
N RC	0,80	0,90	0,85
SAA	0,79	0,90	0,84
Absorption Class	C	A	A



PROFESSIONAL SOLUTIONS

"Seatorium panels are being manufactured by using high quality and certified MDF core materials, by high speed cnc machines, with high quality backing fabric with acoustical properties acoustical properties while utilizing experienced labor force to achieve a standard quality on each panel. Standard sizes are 60x60cm, 60x120cm, 60x60cm, 60x120cm, 60x180cm, 60x240cm."



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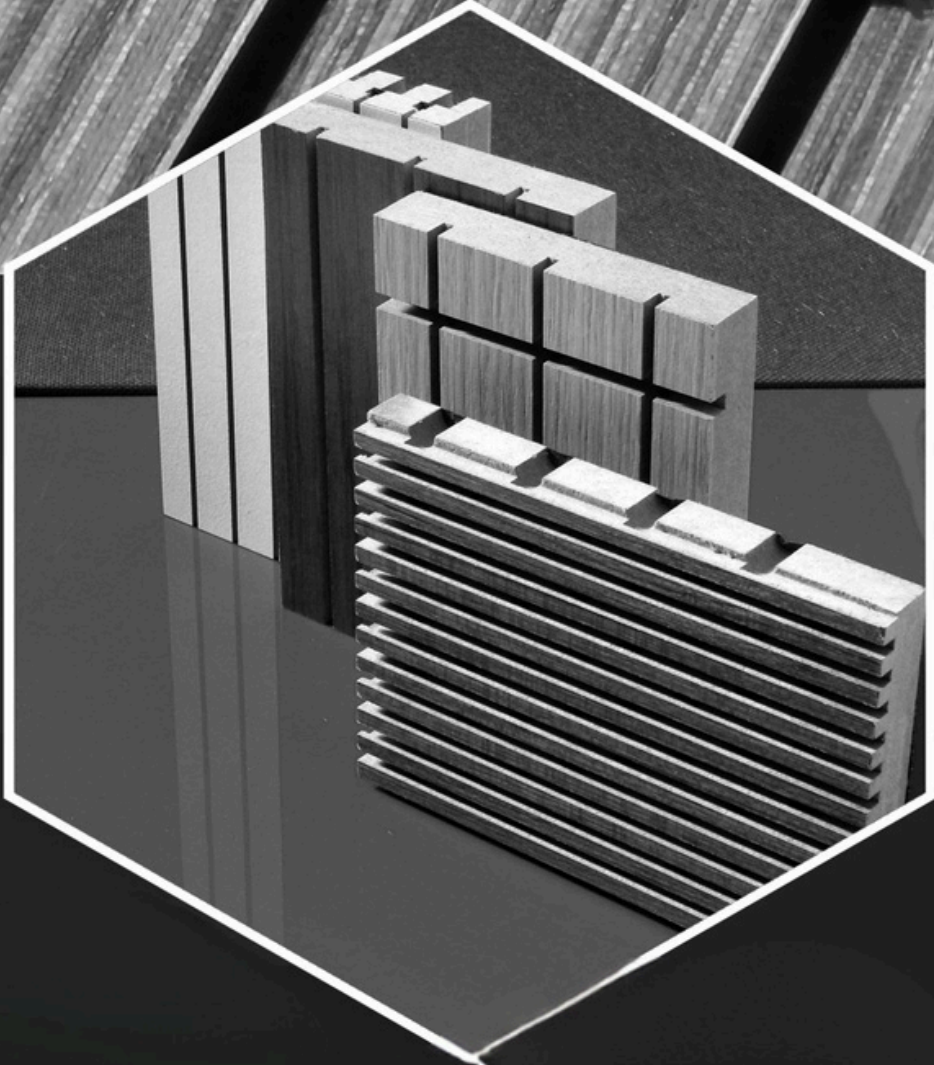
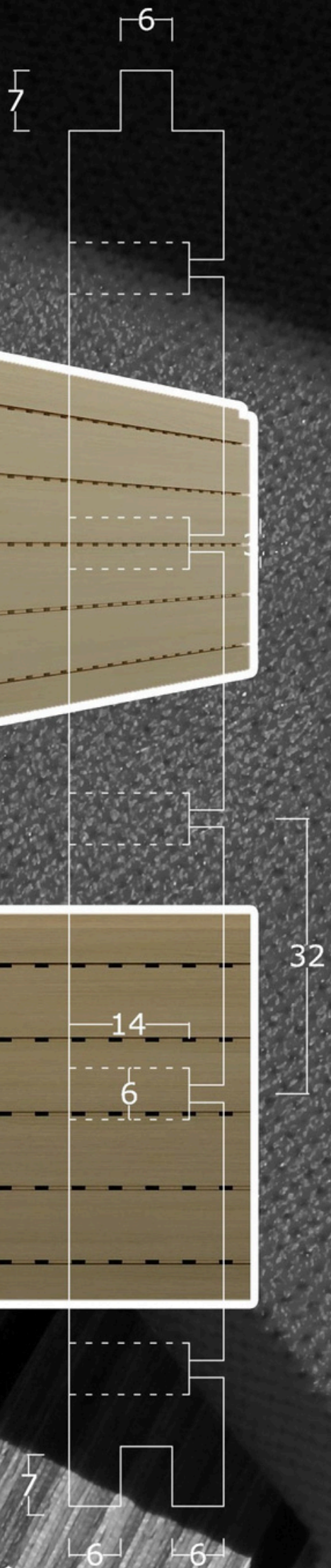
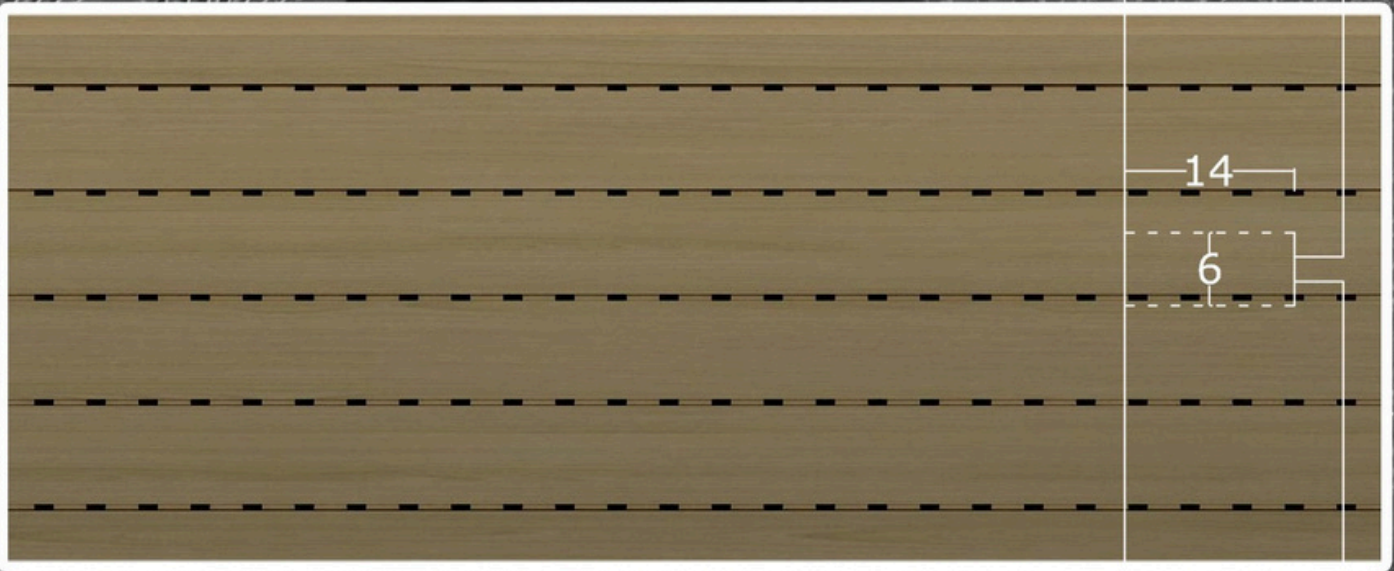
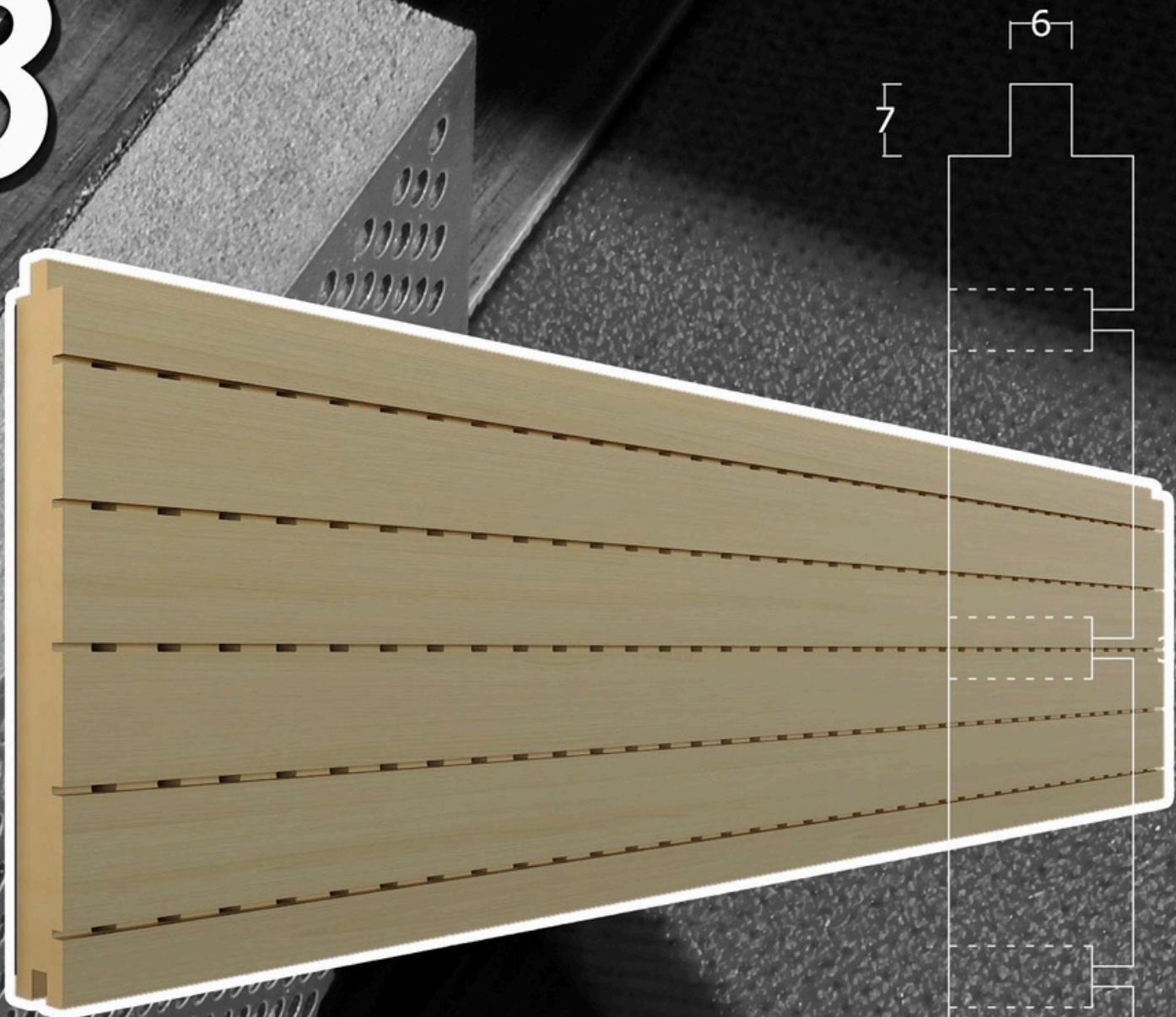


Seatorium

MD-32/3

- 18 or 25mm MDF, Ø 8 mm perforations
- Melamine or genuine wood surface
- 3mm wide grooves on surface
- Up to 4000 Perforations
- Optional fire proof MDF materials
- Project specific TONGUE & GROOVE edges

Frequency [Hz]	α_s	α_s	α_s
100	0,13	0,45	0,55
125	0,20	0,52	0,62
160	0,32	0,72	0,68
200	0,45	0,76	0,61
250	0,59	0,83	0,70
315	0,76	0,83	0,71
400	0,83	0,77	0,72
500	0,91	0,81	0,79
630	0,96	0,80	0,83
800	0,88	0,77	0,82
1.000	0,82	0,78	0,77
1.250	0,69	0,70	0,72
1.600	0,61	0,64	0,66
2.000	0,53	0,58	0,60
2.500	0,45	0,52	0,56
3.150	0,41	0,53	0,52
4.000	0,41	0,56	0,56
5.000	0,46	0,63	0,58
α_w	0,60	0,65	0,65
N RC	0,70	0,75	0,70
SAA	0,71	0,73	0,71
Absorption Class	C	C	C



PROFESSIONAL SOLUTIONS

"Seatorium panels are being manufactured by using high quality and certified MDF core materials, by high speed cnc machines, with high quality backing fabric with acoustic properties while utilizing experienced labor force to achieve a standard quality on each panel. Standard sizes are 60x60cm, 60x120cm, 60x60cm, 60x120cm, 60x180cm, 60x240cm."



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