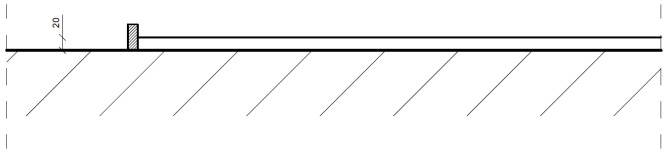
MEASUREMENT OF SOUND ABSORPTION IN A REVERBERATION ROOM
ACCORDING TO ISO 354:2003

TESTEN RvA L 334

principal: Aktav

variant:	test 1: 20 mm Panel placed directly at the floor
type:	Parmephon Solo Acoustic Panel
core material:	Glasswool
panel sizes:	1200 x 600 mm nominal grid size
thickness:	20 mm
finish front:	Fabric
finish rear:	natural glasstisue
total mass:	2,3 kg/m^2 (weighted)







volume reverberation room: 214 m^3

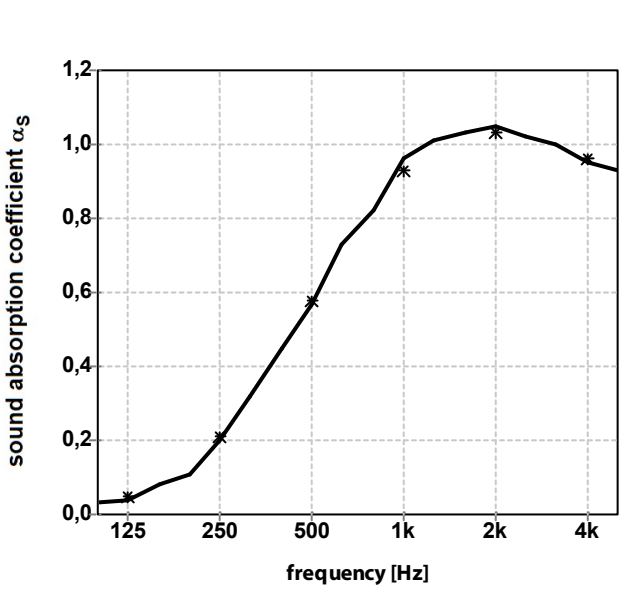
surface area sample: 10,8 m^2

heigth of the construction: 0,02 m

measured at: Peutz Laboratory for Acoustics

signal: broad-band noise

bandwidth: 1/3 octave



	0,03	0,11	0,45	0,82	1,03	1,00
1/3 oct.	0,04	0,20	0,57	0,96	1,05	0,95
	0,08	0,32	0,73	1,01	1,02	0,93
1/1 oct.	**0,05**	**0,21**	**0,58**	**0,93**	**1,03**	**0,96**

α_w (ISO 11654) = 0,50(MH)

SAA (ASTM - C423) = 0,69

NRC (ASTM - C423) = 0,70

Absorb, versie 5.9 mode 7, PM: JK, file: a 3442 E#:1-36 F#:37-72 A#:145 T_1 = 16,8 °C T_2 = 17,2 °C p_1 = 100,7 kPa p_2 = 100,7 kPa h_1 = 52,8 % h_2 = 51,3 %

A 3442-2E-RA-001 /3588945/ THEO

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Mook, measured at 08-02-2019

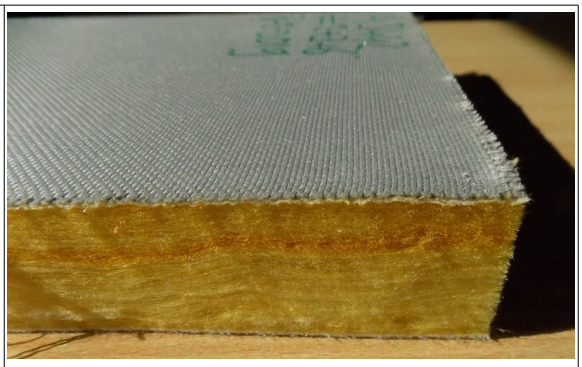
PEUTZ

MEASUREMENT OF SOUND ABSORPTION IN A REVERBERATION ROOM
ACCORDING TO ISO 354:2003

TESTEN
RvA L 334

principal: Aktav

variant:	test 2: 40 mm Panel placed directly at the floor
type:	Parmephon Solo Acoustic Panel
core material:	Glasswool
panel sizes:	1200 x 1200 mm nominal grid size
thickness:	40 mm
finish front:	Fabric
finish rear:	natural glasstisue
total mass:	4,2 kg/m^2 (weighted)







volume reverberation room: 214 m^3

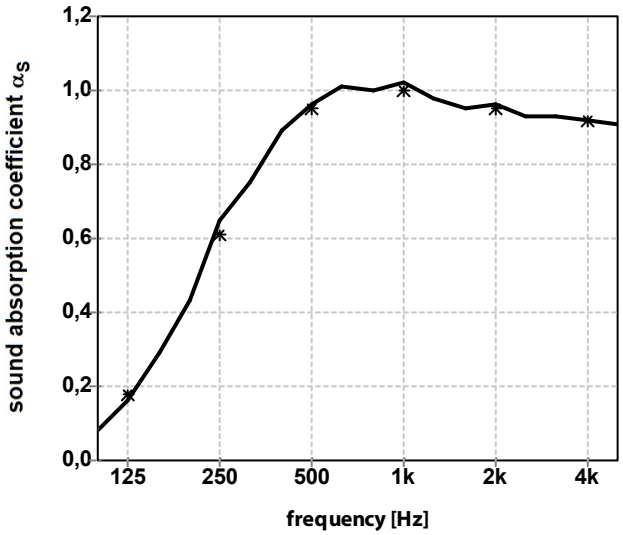
surface area sample: 10,8 m^2

heigth of the construction: 0,04 m

measured at: Peutz Laboratory for Acoustics

signal: broad-band noise

bandwidth: 1/3 octave



α_w (ISO 11654) = 0,90

SAA (ASTM - C423) = 0,88

NRC (ASTM - C423) = 0,90

	0,08	0,43	0,89	1,00	0,95	0,93
1/3 oct.	0,16	0,65	0,96	1,02	0,96	0,92
	0,29	0,75	1,01	0,98	0,93	0,91
1/1 oct.	**0,18**	**0,61**	**0,95**	**1,00**	**0,95**	**0,92**

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Mook, measured at 08-02-2019

Absorb, versie 5.9 mode 7, PM: JK, file: a 3442 E#:1-36 F#:73-108 A#:146 T_1 = 16,8 °C T_2 = 17,6 °C p_1 = 100,7 kPa p_2 = 100,7 kPa h_1 = 52,8 % h_2 = 48,9 %

A 3442-2E-RA-001 /3588945/ THEO

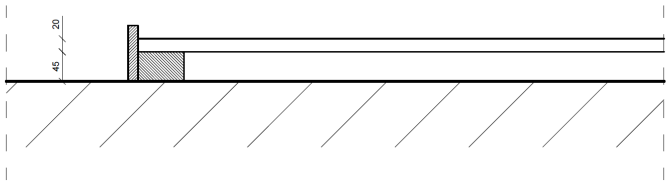
MEASUREMENT OF SOUND ABSORPTION IN A REVERBERATION ROOM
ACCORDING TO ISO 354:2003

principal: Aktav

TESTEN RvA L 334

variant:	test 3:
	20 mm Panel mounted on an airspace of 45 mm
type:	Parmephon Solo Acoustic Panel
core material:	Glasswool
panel sizes:	1200 x 600 mm nominal grid size
thickness:	20 mm
finish front:	Fabric
finish rear:	natural glasstisue
total mass:	2,3 kg/m^2 (weighted)







volume reverberation room: 214 m^3

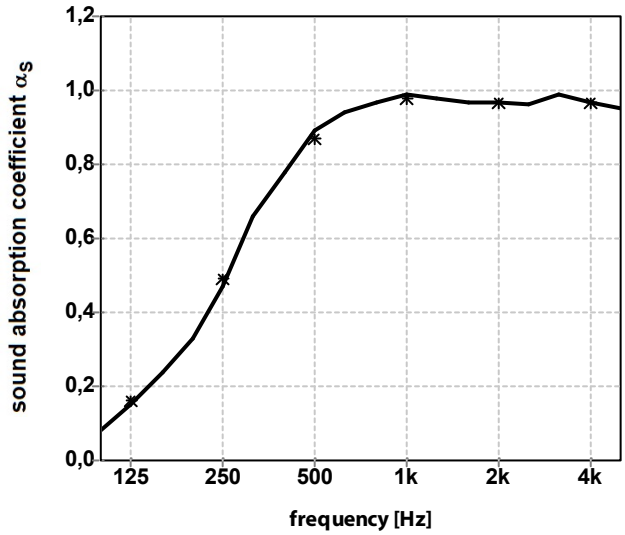
surface area sample: 10,8 m^2

heigth of the construction: 0,065 m

measured at: Peutz Laboratory for Acoustics

signal: broad-band noise

bandwidth: 1/3 octave



α_w (ISO 11654) = 0,80(H)

SAA (ASTM - C423) = 0,83

NRC (ASTM - C423) = 0,85

	0,08	0,33	0,78	0,97	0,97	0,99
1/3 oct.	0,15	0,47	0,89	0,99	0,97	0,97
	0,24	0,66	0,94	0,98	0,96	0,95
1/1 oct.	**0,16**	**0,49**	**0,87**	**0,98**	**0,97**	**0,97**

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Mook, measured at 08-02-2019

Absorb, versie 5.9 mode 7, PM: JK, file: a 3442 E#:1-36 F#:148-183 A#:184 T_1 = 16,8 °C T_2 = 17,3 °C p_1 = 100,7 kPa p_2 = 100,6 kPa h_1 = 52,8 % h_2 = 52,3 %

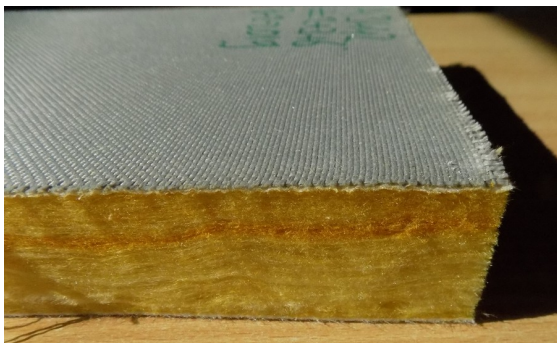
A 3442-2E-RA-001 /35889845/ THEO

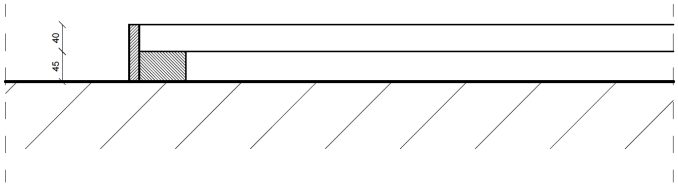
MEASUREMENT OF SOUND ABSORPTION IN A REVERBERATION ROOM
ACCORDING TO ISO 354:2003

TESTEN
RvA L 334

principal: Aktav

variant:	test 4:
	40 mm Panel mounted on an airspace of 45 mm
type:	Parmephon Solo Acoustic Panel
core material:	Glasswool
panel sizes:	1200 x 1200 mm nominal grid size
thickness:	40 mm
finish front:	Fabric
finish rear:	natural glasstisue
total mass:	4,2 kg/m^2 (weighted)







volume reverberation room: 214 m^3

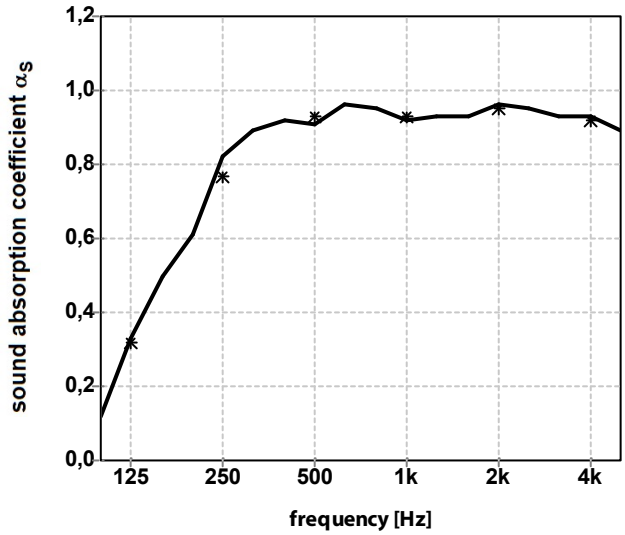
surface area sample: 10,8 m^2

heigth of the construction: 0,085 m

measured at: Peutz Laboratory for Acoustics

signal: broad-band noise

bandwidth: 1/3 octave



α_w (ISO 11654) = 0,95

SAA (ASTM - C423) = 0,90

NRC (ASTM - C423) = 0,90

	0,12	0,61	0,92	0,95	0,93	0,93
1/3 oct.	0,33	0,82	0,91	0,92	0,96	0,93
	0,50	0,89	0,96	0,93	0,95	0,89
1/1 oct.	**0,32**	**0,77**	**0,93**	**0,93**	**0,95**	**0,92**

Absorb, versie 5.9 mode 7, PM: JK, file: a 3442 E#:1-36 F#:109-144 A#:147 T_1 = 16,8 °C T_2 = 17,2 °C p_1 = 100,7 kPa p_2 = 100,7 kPa h_1 = 52,8 % h_2 = 52,6 %

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Mook, measured at 08-02-2019

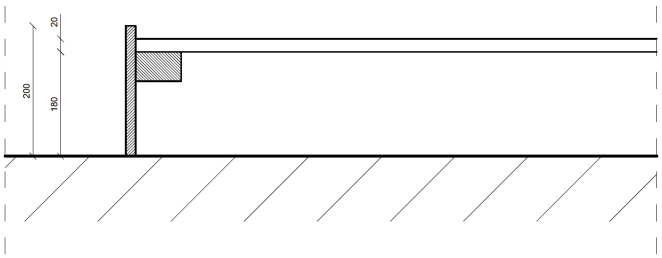
MEASUREMENT OF SOUND ABSORPTION IN A REVERBERATION ROOM
ACCORDING TO ISO 354:2003

principal: Aktav

TESTEN RvA L 334

variant:	test 5
	20 mm Panel mounted on an airspace of 180 mm
type:	Parmephon Solo Acoustic Panel
core material:	Glasswool
panel sizes:	1200 x 600 mm nominal grid size
thickness:	20 mm
finish front:	Fabric
finish rear:	natural glasstisue
total mass:	2,3 kg/m^2 (weighted)







volume reverberation room: 214 m^3

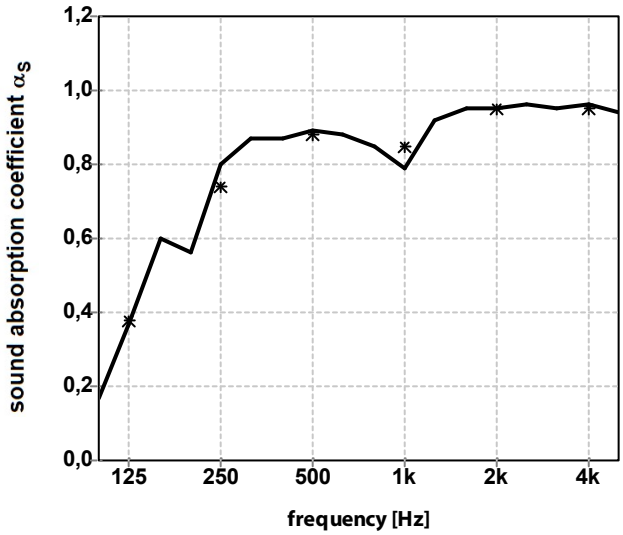
surface area sample: 10,8 m^2

heigth of the construction: 0,200 m

measured at: Peutz Laboratory for Acoustics

signal: broad-band noise

bandwidth: 1/3 octave



α_w (ISO 11654) = 0,90

SAA (ASTM - C423) = 0,86

NRC (ASTM - C423) = 0,85

	0,17	0,56	0,87	0,85	0,95	0,95
1/3 oct.	0,37	0,80	0,89	0,79	0,95	0,96
	0,60	0,87	0,88	0,92	0,96	0,94
1/1 oct.	**0,38**	**0,74**	**0,88**	**0,85**	**0,95**	**0,95**

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Mook, measured at 08-02-2019

Absorb, versie 5.9 mode 7, PM: JK, file: a 3442 E#:1-36 F#:185-220 A#:221 T_1 = 16,8 °C T_2 = 17,0 °C p_1 = 100,7 kPa p_2 = 100,6 kPa h_1 = 52,8 % h_2 = 54,4 %

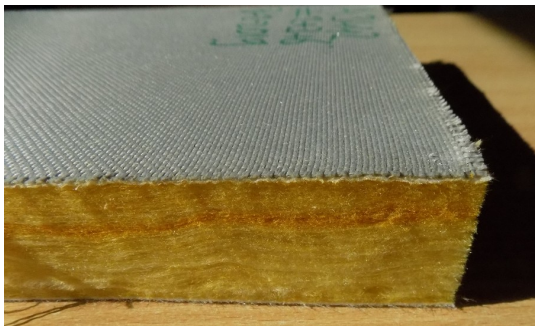
A 3442-2E-RA-001 /35889545/ THEO

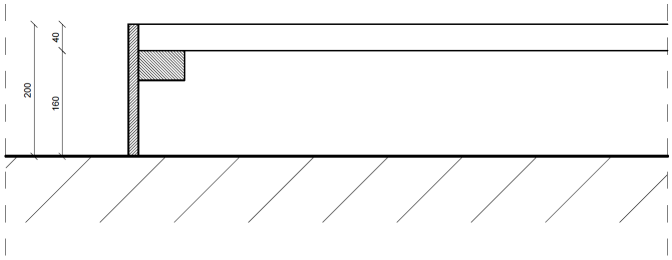
MEASUREMENT OF SOUND ABSORPTION IN A REVERBERATION ROOM
ACCORDING TO ISO 354:2003

TESTEN RvA L 334

principal: Aktav

variant:	test 6
	40 mm Panel mounted on an airspace of 160 mm
type:	Parmephon Solo Acoustic Panel
core material:	Glasswool
panel sizes:	1200 x 1200 mm nominal grid size
thickness:	40 mm
finish front:	Fabric
finish rear:	natural glasstisue
total mass:	4,2 kg/m^2 (weighted)







volume reverberation room: 214 m^3

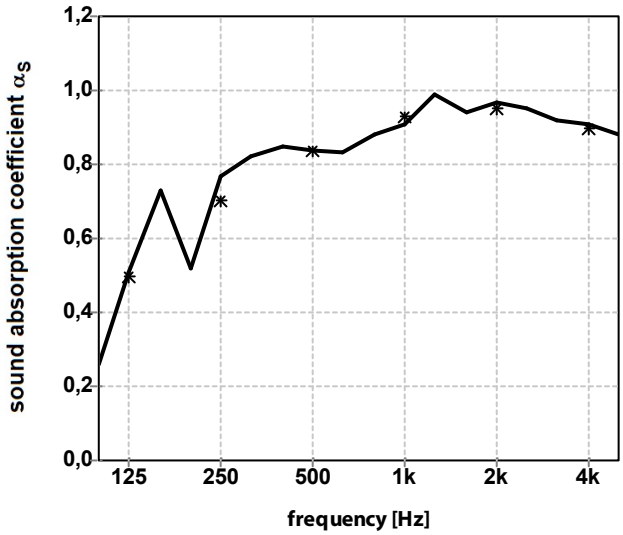
surface area sample: 10,8 m^2

heigth of the construction: 0,200 m

measured at: Peutz Laboratory for Acoustics

signal: broad-band noise

bandwidth: 1/3 octave



α_w (ISO 11654) = 0,90

SAA (ASTM - C423) = 0,86

NRC (ASTM - C423) = 0,85

	0,26	0,52	0,85	0,88	0,94	0,92
1/3 oct.	0,51	0,77	0,84	0,91	0,97	0,91
	0,73	0,82	0,83	0,99	0,95	0,88
1/1 oct.	**0,50**	**0,70**	**0,84**	**0,93**	**0,95**	**0,90**

Absorb, versie 5.9 mode 7, PM: JK, file: a 3442 E#:1-36 F#:222-257 A#:258 T_1 = 16,8 °C T_2 = 16,9 °C p_1 = 100,7 kPa p_2 = 100,5 kPa h_1 = 52,8 % h_2 = 54,9 %

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