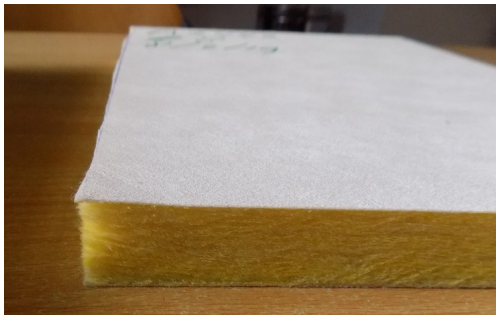
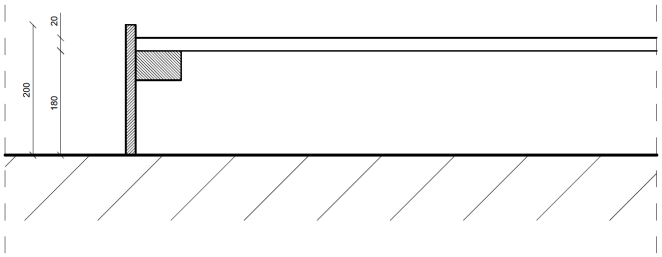
MEASUREMENT OF SOUND ABSORPTION IN A REVERBERATION ROOM
ACCORDING TO ISO 354:2003

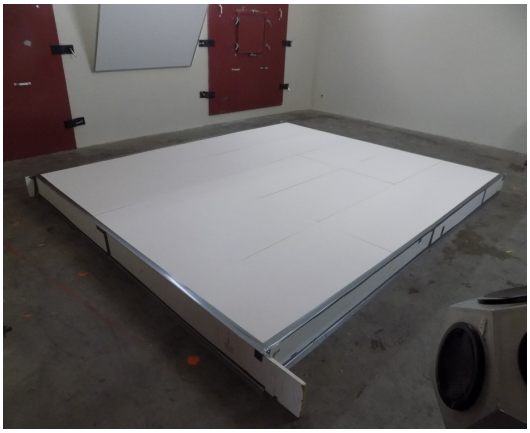
TESTEN RvA L 334

principal: Aktav

variant:	test 8
	20 mm Panel mounted on an airspace of 180 mm
type:	Parmephon Advance Acoustic Panel
core material:	Glasswool
panel sizes:	1200 x 600 mm nominal grid size
thickness:	20 mm
finish front:	white painted mineral fleece
finish rear:	natural glasstisue
total mass:	1,6 kg/m^2 (weighted)







volume reverberation room: 214 m^3

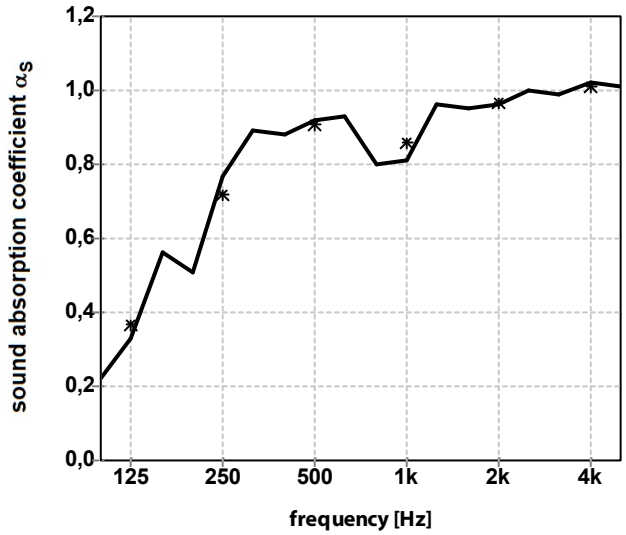
surface area sample: 10,8 m^2

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) = 0,87

NRC (ASTM - C423) = 0,85

	0,22	0,51	0,88	0,80	0,95	0,99
1/3 oct.	0,33	0,77	0,92	0,81	0,96	1,02
	0,56	0,89	0,93	0,96	1,00	1,01
1/1 oct.	**0,37**	**0,72**	**0,91**	**0,86**	**0,97**	**1,01**

publication is permitted for the entire page only

Mook, measured at 08-02-2019

Absorb, versie 5.9 mode 7, PM: JK, file: a 3442 E#:1-36 F#:295-330 A#:332 T_1 = 16,8 °C T_2 = 16,9 °C p_1 = 100,7 kPa p_2 = 100,4 kPa h_1 = 52,8 % h_2 = 53,7 %

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