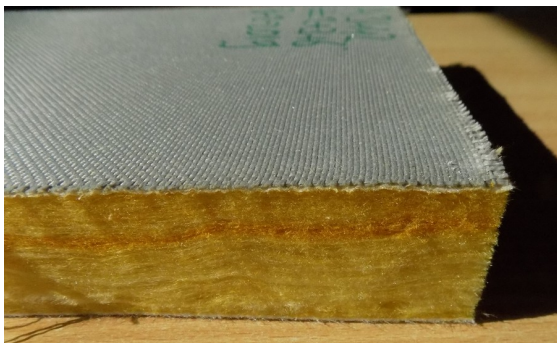
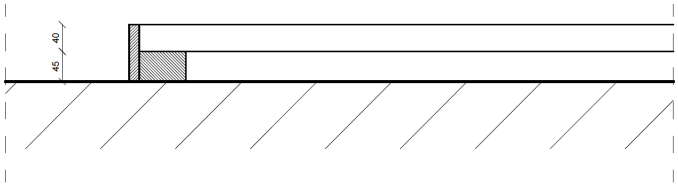
MEASUREMENT OF SOUND ABSORPTION IN A REVERBERATION ROOM
ACCORDING TO ISO 354:2003

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

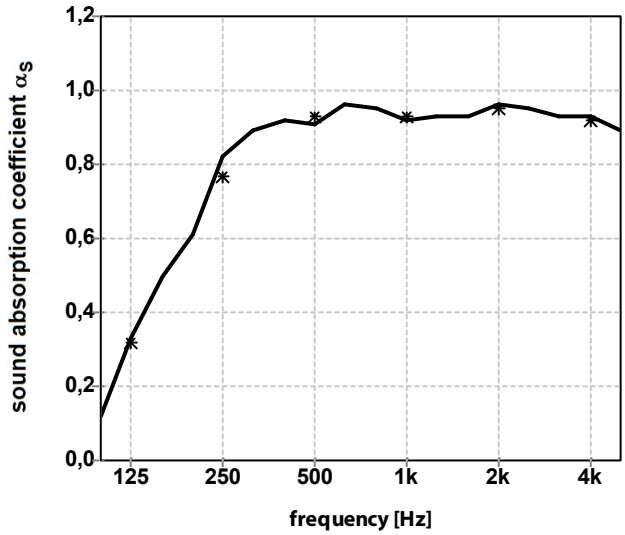
surface area sample: 10,8 m^2

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 %

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

publication is permitted for the entire page only

Mook, measured at 08-02-2019