

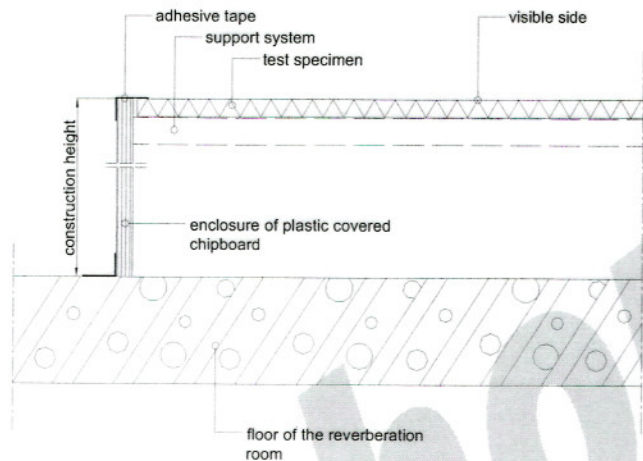
MEASUREMENT OF SOUND ABSORPTION IN A REVERBERATION ROOM ACCORDING TO ISO 354:2003

principal: Aktav Acoustics



Absorb versie 4.3.1, mode 7 file: a1597 E#:759-794 F#:723-758 A#:797 T₁ = 16,2 °C T₂ = 16,2 °C p₁ = 100,5 kPa p₂ = 100,5 kPa h₁ = 52,3 % h₂ = 52,1 %

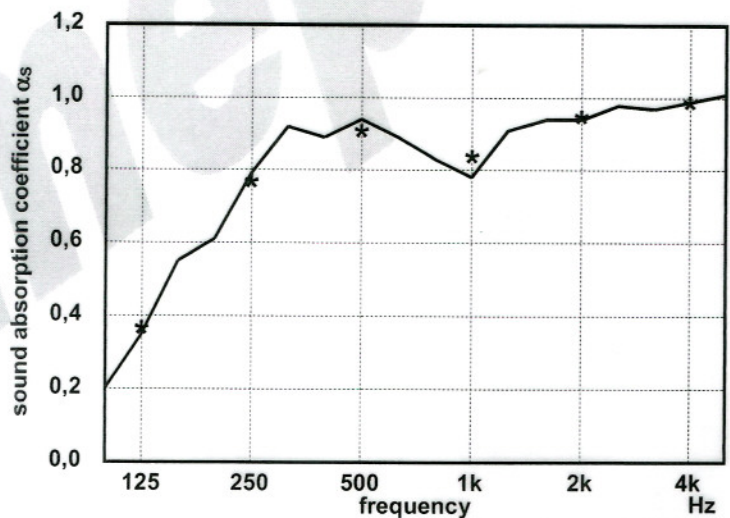
type: Parmophon® Polo
manufacturer: Aktav Acoustics
material: glasswool
panel sizes: 594 x 594 mm
total thickness: 19 mm
finish front: painted glasstissue
finish back: glass tissue
total mass: 1,6 kg/m²



volume reverberation room: 214 m³
surface area sample: 10,8 m²
height of the construction: 0,200 m
measured at: laboratory conditions
signal: broad-band noise
bandwidth: 1/3 octave

α_w (ISO 11654) = 0,90

NRC (ASTM - C423) = 0,85



	125	250	500	1k	2k	4k
— 1/3 oct.	0,20	0,61	0,89	0,83	0,94	0,97
1/3 oct.	0,35	0,79	0,94	0,78	0,94	0,99
* 1/1 oct.	0,55	0,92	0,89	0,91	0,98	1,01
1/1 oct.	0,37	0,77	0,91	0,84	0,95	0,99

publication is permitted for the entire page only

Mook, 09-02-2007