

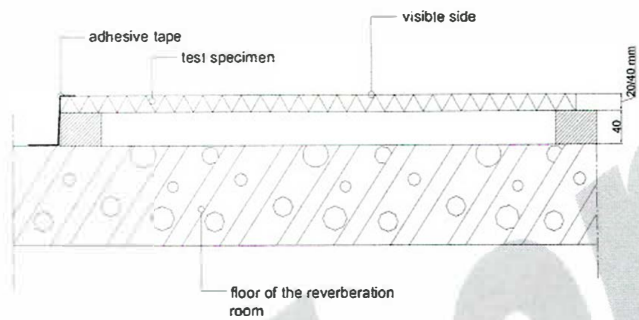
MEASUREMENT OF SOUND ABSORPTION IN A REVERBERATION ROOM ACCORDING TO ISO 354:2003

principal: Turkish Acoustic



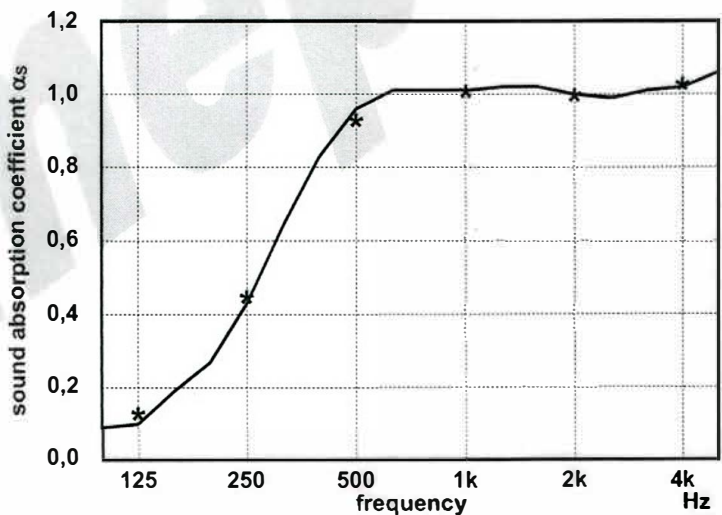
Absorb versie 4.3.1, mode 7 file: a1597 E#:800-835 F#:947-982 A#:983 T₁ = 16,2 °C T₂ = 16,1 °C p₁ = 102,3 kPa p₂ = 102,2 kPa h₁ = 50,1 % h₂ = 48,6 %

type: **Parmephon® wallpanel 20 mm**
 manufacturer: Turkish Acoustic
 material: glasswool
 panel sizes: 1200 x 600 mm
 total thickness: 20 mm
 finish front: glasstissue + fabric
 finish back: glass tissue
 finish edges: plastered
 total mass: 2,4 kg/m²



volume reverberation room: 214 m³
 surface area sample: 10,8 m²
 height of the construction: 0,060 m
 measured at: laboratory conditions
 signal: broad-band noise
 bandwidth: 1/3 octave

α_w (ISO 11654) = 0,75(MH)
 NRC (ASTM - C423) = 0,85



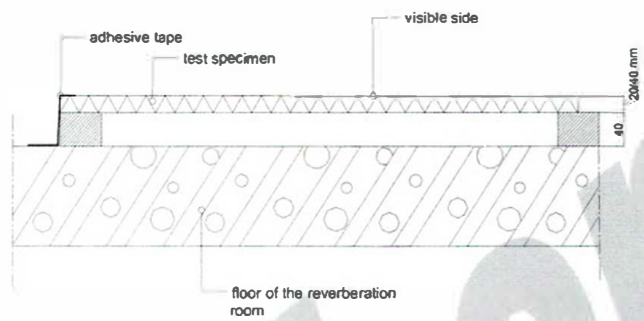
	125	250	500	1k	2k	4k
1/3 oct.	0,09	0,27	0,83	1,01	1,02	1,01
*	0,19	0,64	1,01	1,02	0,99	1,06
1/1 oct.	0,13	0,45	0,93	1,01	1,00	1,03

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

principal: Turkish Acoustic

Absorb versie 4.3.1, mode 7 file: a1597 E#:800-835 F#:873-908 A#:909 T₁ = 16,2 °C T₂ = 15,9 °C p₁ = 102,3 kPa p₂ = 102,3 kPa h₁ = 50,1 % h₂ = 53,0 %

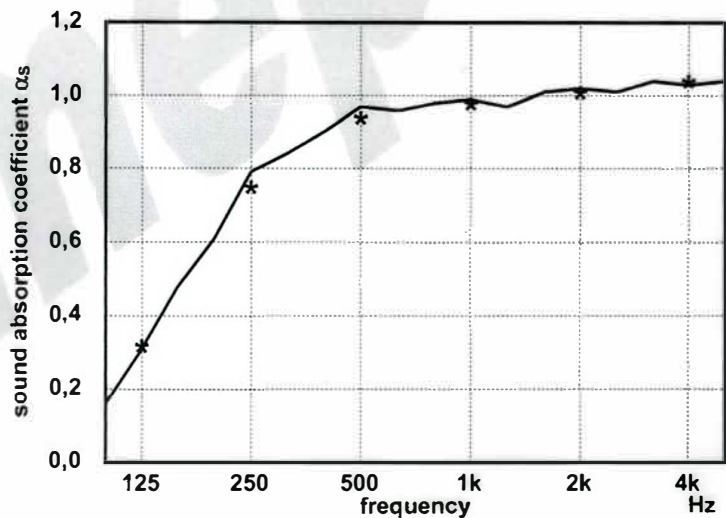
type: **Parmephon® wallpanel 40 mm**
 manufacturer: Turkish Acoustic
 material: glasswool
 panel sizes: 1200 x 600 mm
 total thickness: 40 mm
 finish front: glasstissue + fabric
 finish back: glass tissue
 finish edges: plastered with a groove
 total mass: 6,5 kg/m²



volume reverberation room: 214 m³
 surface area sample: 10,8 m²
 height of the construction: 0,080 m
 measured at: laboratory conditions
 signal: broad-band noise
 bandwidth: 1/3 octave

α_w (ISO 11654) = 1,00

NRC (ASTM - C423) = 0,95



	125	250	500	1k	2k	4k
1/3 oct.	0,16	0,61	0,90	0,98	1,01	1,04
* 1/1 oct.	0,31	0,79	0,97	0,99	1,02	1,03
	0,48	0,84	0,96	0,97	1,01	1,04
1/1 oct.	0,32	0,75	0,94	0,98	1,01	1,04

publication is permitted for the entire page only

Mook, 15-02-2007