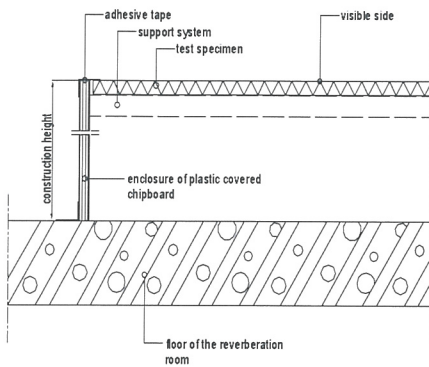


MEASUREMENT OF SOUND ABSORPTION IN A REVERBERATION ROOM ACCORDING TO ISO 354:2003



principal: Rockwool B.V.

| | |
|--------------|-----------------------------------|
| Type | Artic |
| Manufacturer | Rockwool |
| Material | Stone wool |
| Finish front | smooth white painted glass-tissue |
| Finish rear | glass-tissue |
| Panel sizes: | 591 mm x 591 mm |
| Thickness: | 15 mm |
| Mass: | 2,19 kg/m ² (weighted) |



volume reverberation room: 214 m³

surface area sample: 10,8 m²

height of the construction: 0,200 m

measured at: Peutz Laboratory for Acoustics

signal: broad-band noise

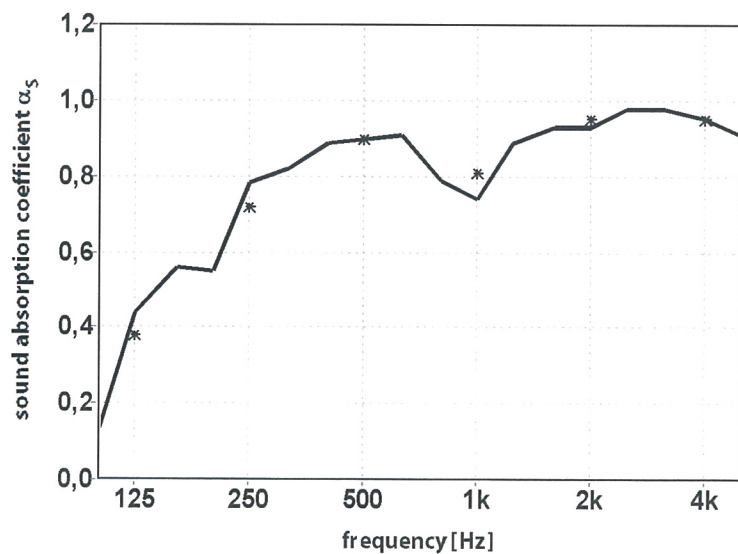
bandwidth: 1/3 octave

α_w (ISO 11654) = 0,90

NRC (ASTM - C423) = 0,85

SAA (ASTM - C423) = 0,84

— 1/3 oct.
* 1/1 oct.



| | | | | | | |
|----------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 0,13 | 0,55 | 0,89 | 0,79 | 0,93 | 0,98 |
| 1/3 oct. | 0,44 | 0,78 | 0,90 | 0,74 | 0,93 | 0,95 |
| | 0,56 | 0,82 | 0,91 | 0,89 | 0,98 | 0,91 |
| 1/1 oct. | 0,38 | 0,72 | 0,90 | 0,81 | 0,95 | 0,95 |

Absorb, versie 5.8.4 mode 7, PM; RMu, file: a3195 E#:852-887 F#:925-960 A#:961 T₁ = 17,9 °C T₂ = 18,5 °C p₁ = 102,2 kPa p₂ = 102,2 kPa h₁ = 59,0 % h₂ = 58,5 %