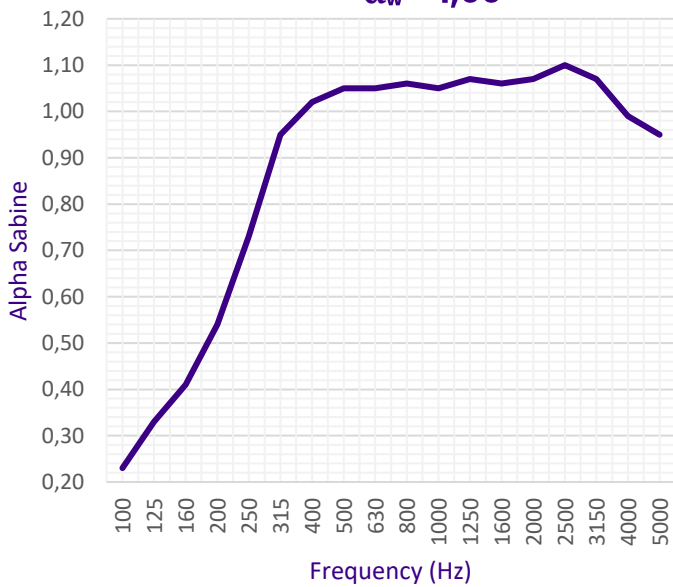


SYSTEM COMPOSITION

1. Perforated tray 90/500 th. 0,75 mm
2. Panolene cladding th. 90 mm
3. Particle board CTBH P5 th. 22mm
4. Acoustic panel PHONOTECH DK180

Absorption

$\alpha_w = 1,00$

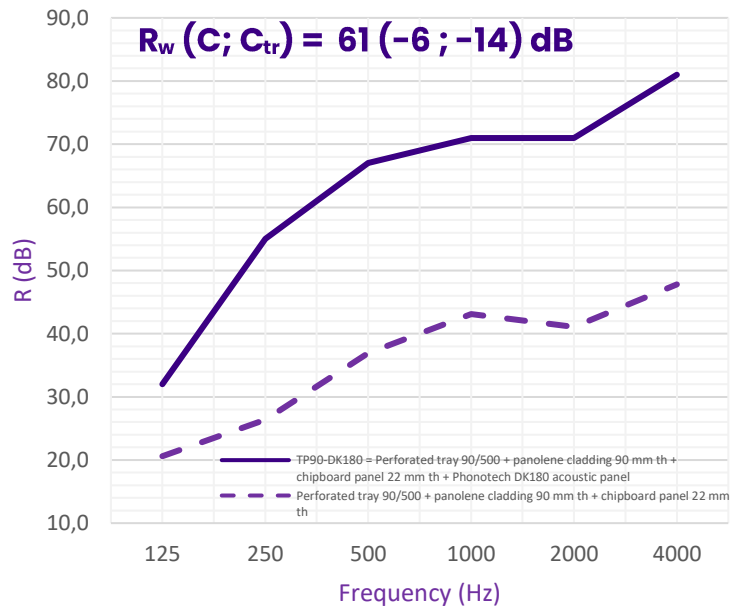


α_p per octave band (Hz)

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|----------------|------|------|------|------|------|------|
| α_p | 0,30 | 0,75 | 1,00 | 1,00 | 1,00 | 1,00 |

Insulation

$R_w (C; C_{tr}) = 61 (-6 ; -14) \text{ dB}$



R (dB) per octave band (Hz)

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|----------------|------|------|------|------|------|------|
| R (dB) | 32,0 | 55,0 | 67,0 | 71,0 | 71,0 | 81,0 |

| System | Sound reduction | | | α_w | Thermal R. (m ² .K/W) | U (W/m ² .K) | Weight (kg/m ²) | Thickness (mm) | PV |
|-------------------|-----------------|---------|------------|------------|-------------------------------------|----------------------------|--------------------------------|-------------------|--------------|
| | Rw (dB) | RA (dB) | RA,tr (dB) | | | | | | |
| TP90-DK180 | 61 | 55 | 47 | 1,00 | 7,81 | 0,13 | 53,23 | 314 | Calcul CEDIA |

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