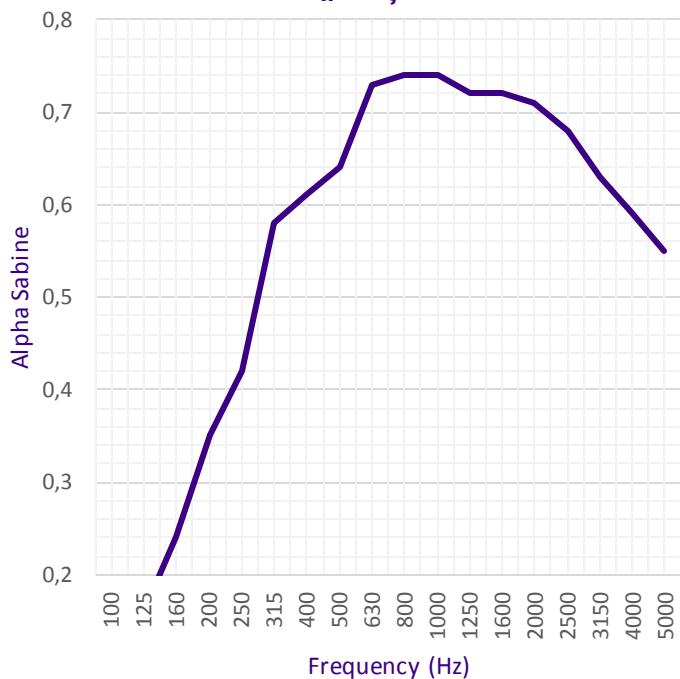


**SYSTEM COMPOSITION**

1. Perforated tray 90/500 th. 0,75 mm
2. Semi-rigid glasswool
3. Particle board CTBH P5 th. 22 mm
4. Acoustic panel PHONOTECH DK80
5. Geotextile
6. PVC membrane th. 1,2 mm

**Absorption**

$\alpha_w = 0,70$

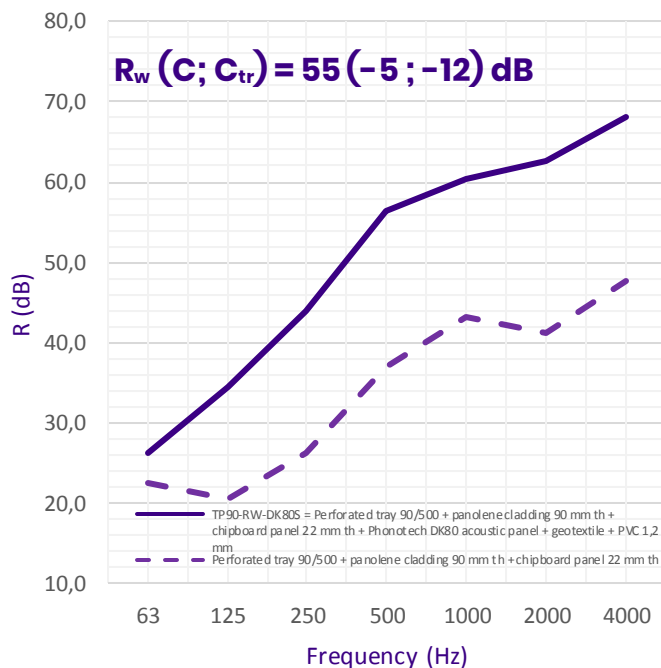


$\alpha_p$  per octave band (Hz)

| Frequency (Hz) | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|----------------|------|------|------|------|------|------|
| $\alpha_p$     | 0,15 | 0,45 | 0,65 | 0,75 | 0,70 | 0,60 |

**Insulation**

$R_w (C; C_{tr}) = 55 (-5; -12) \text{ dB}$



$R$  (dB) per octave band (Hz)

| Frequency (Hz) | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|----------------|------|------|------|------|------|------|------|
| $R$ (dB)       | 26,4 | 28,0 | 44,7 | 58,2 | 64,1 | 68,9 | 73,4 |

| System           | Sound reduction |         |                | $\alpha_w$ | Thickness (mm) | PV           |
|------------------|-----------------|---------|----------------|------------|----------------|--------------|
|                  | $R_w$ (dB)      | RA (dB) | $RA_{tr}$ (dB) |            |                |              |
| TP90-DK80S-Lille | 55              | 50      | 43             | 0,70       | 216            | CEDIA(09/10) |

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