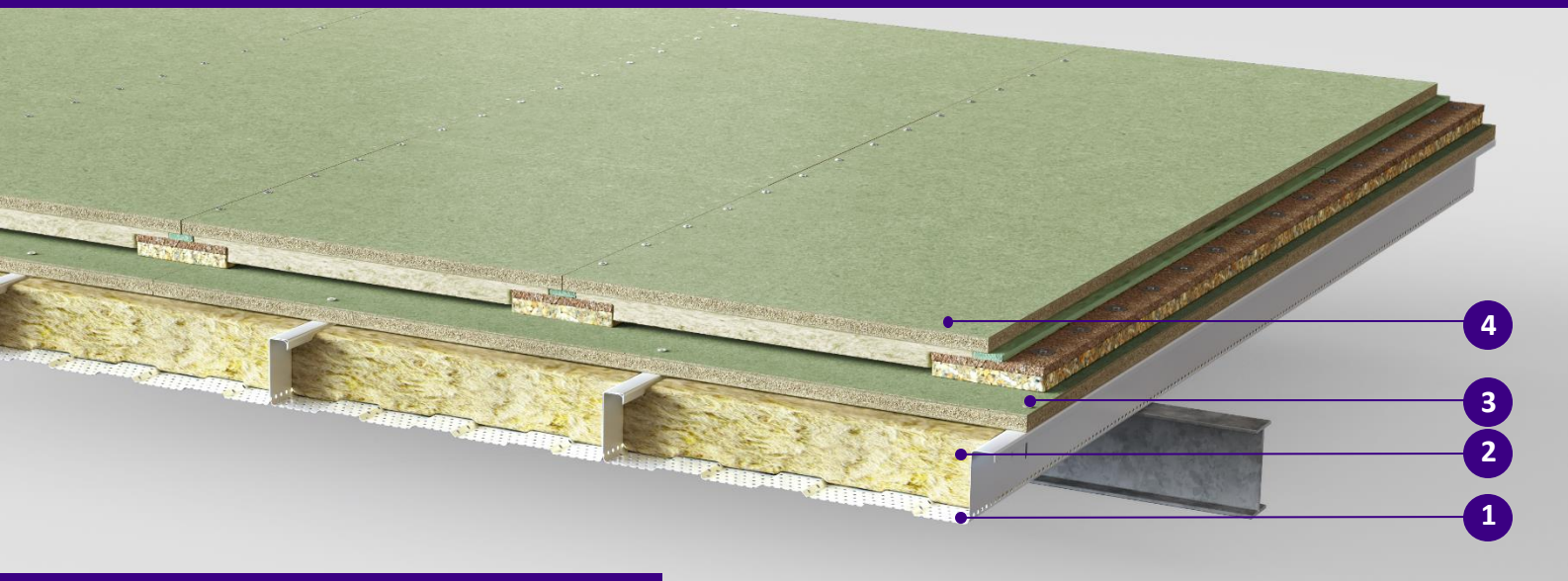
phonotech®
Sound insulation

TP90-DK40 System

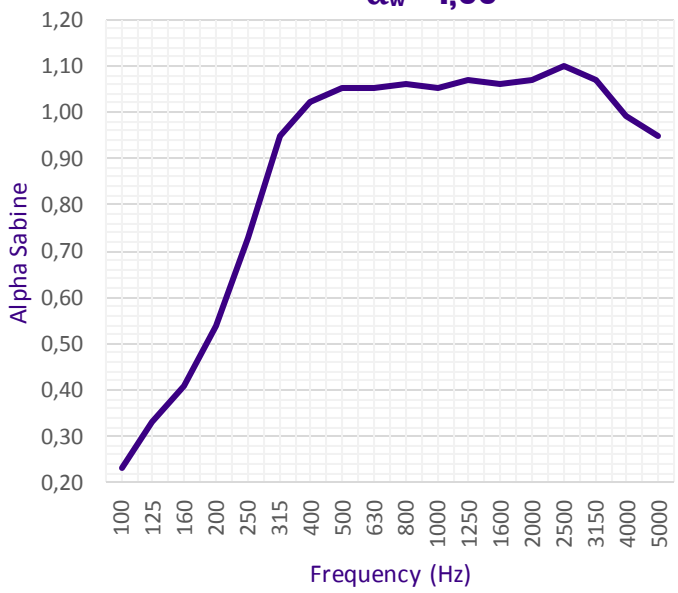


SYSTEM COMPOSITION

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 DK40**

Absorption

$\alpha_w = 1{,}00$

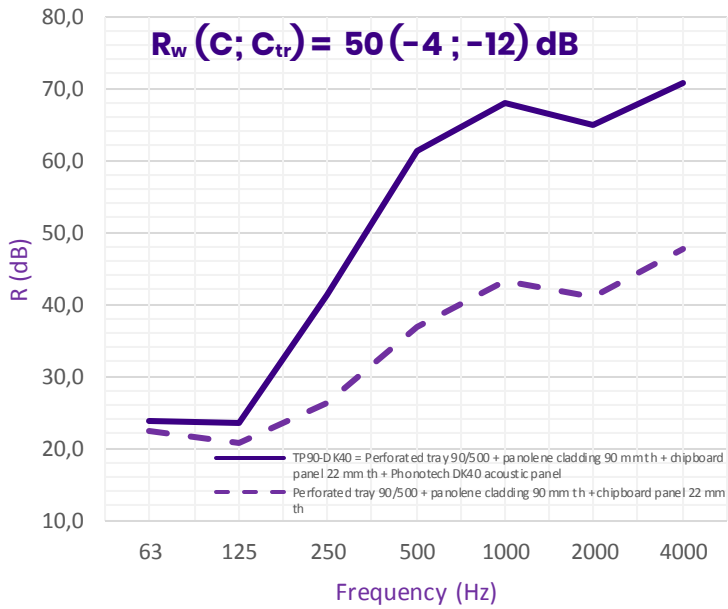


α_p per octave band (Hz)

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}) = 50 (-4 ; -12) dB



R (dB) per octave band (Hz)

Frequency (Hz)	63	125	250	500	1000	2000	4000
R (dB)	23,8	23,4	41,2	61,4	68,1	65,0	70,8

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-DK40	50	48	38	1,00	3,81	0,26	43,12	184	CEDIA (03/18)

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