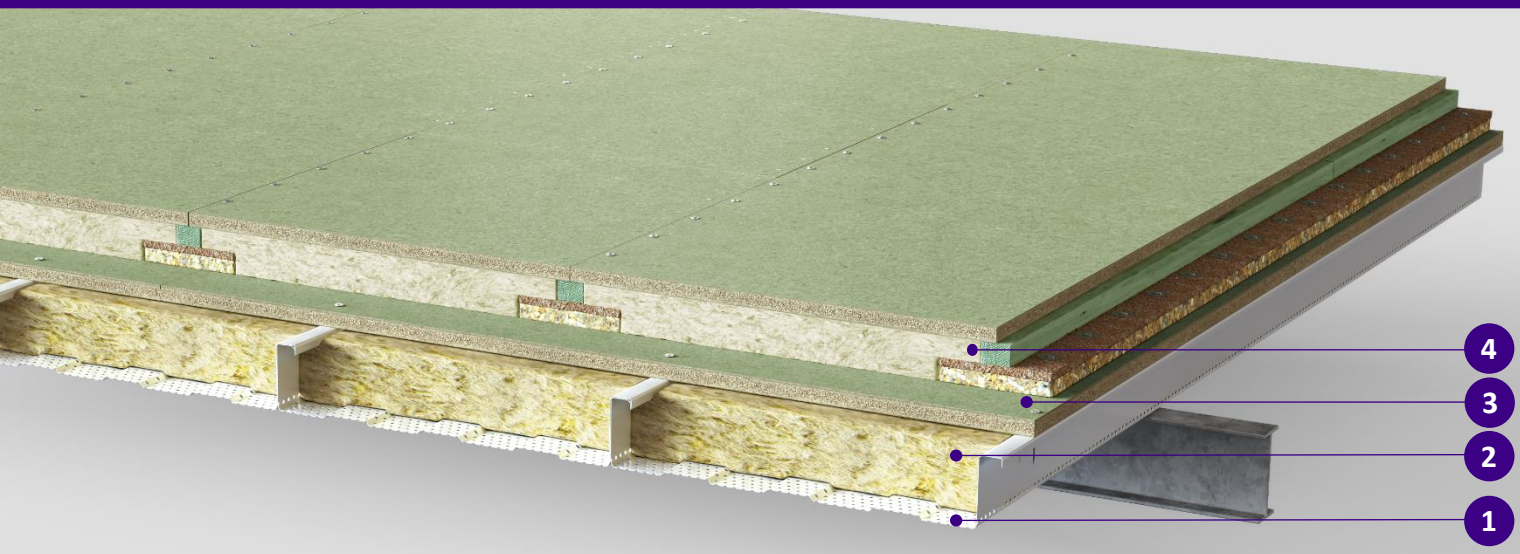
phonotech®
Sound insulation

TP90-DK60 System

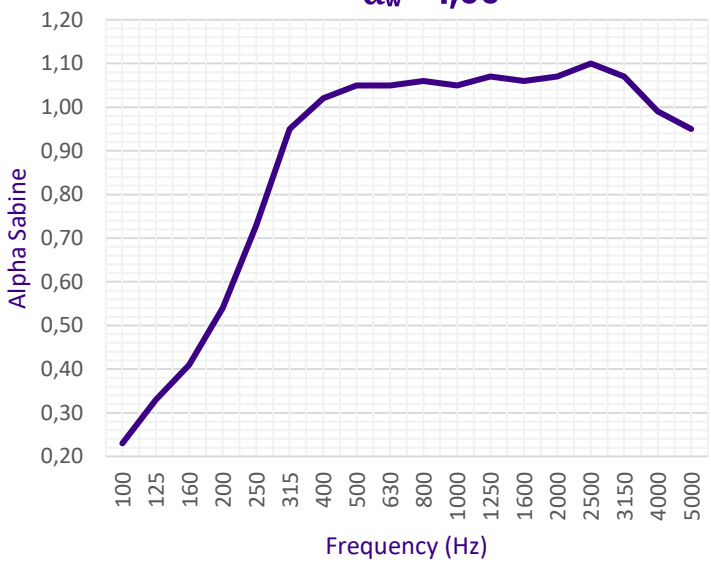


SYSTEM COMPOSITION

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 DK60

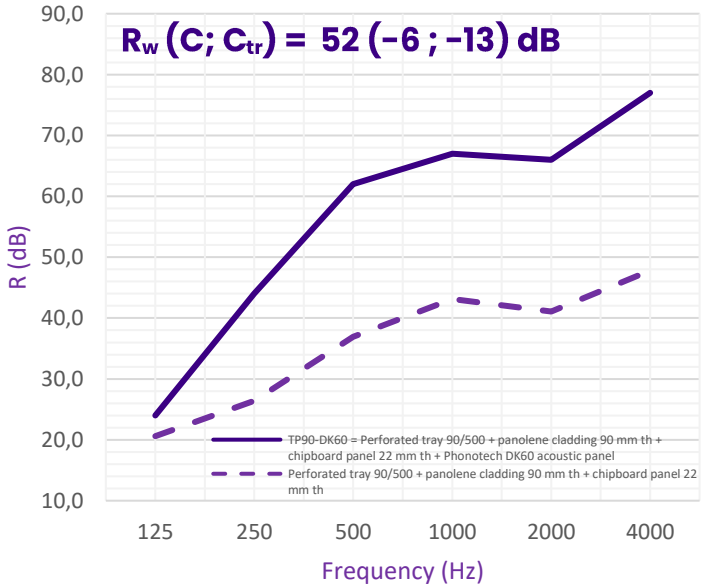
Absorption

$\alpha_w = 1,00$



Insulation

$R_w (C; C_{tr}) = 52 (-6 ; -13)$ dB



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

R (dB) per octave band (Hz)

Frequency (Hz)	125	250	500	1000	2000	4000
R (dB)	24,0	44,0	62,0	67,0	66,0	77,0

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-DK60	52	46	39	1,00	4,38	0,23	44,33	194	Calcul CEDIA

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