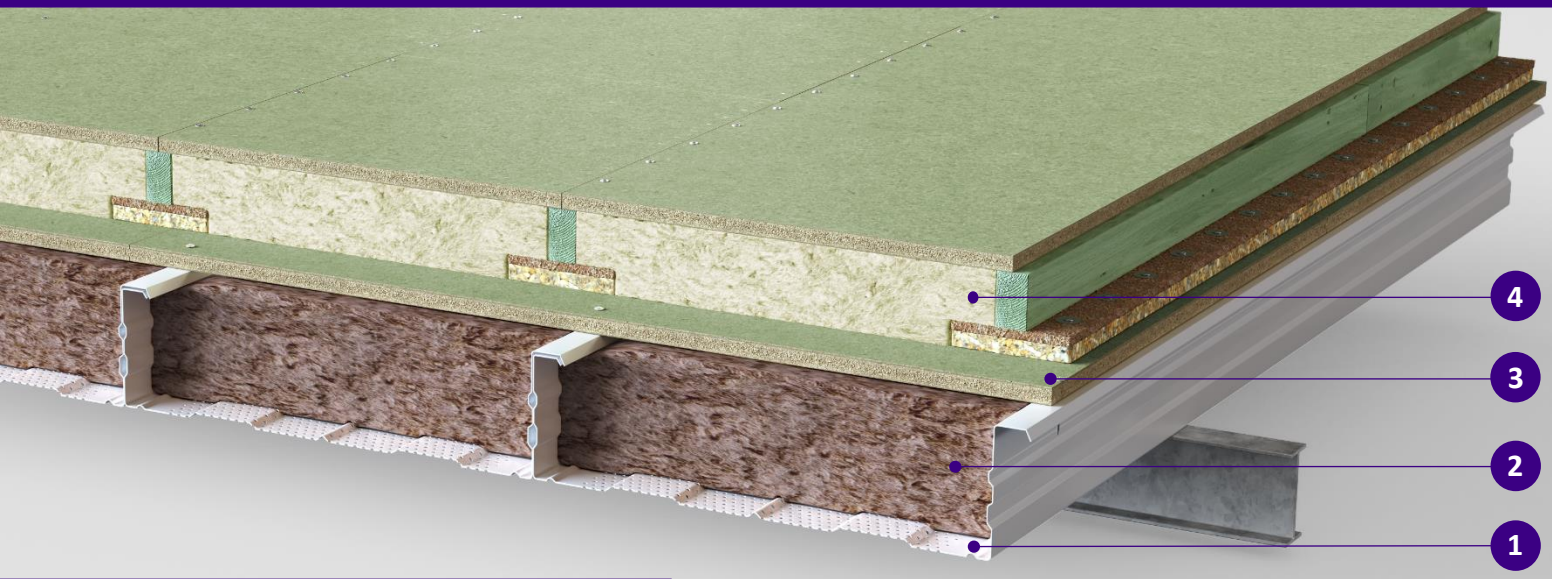
phonotech®
Sound insulation

TP160-DK100 System

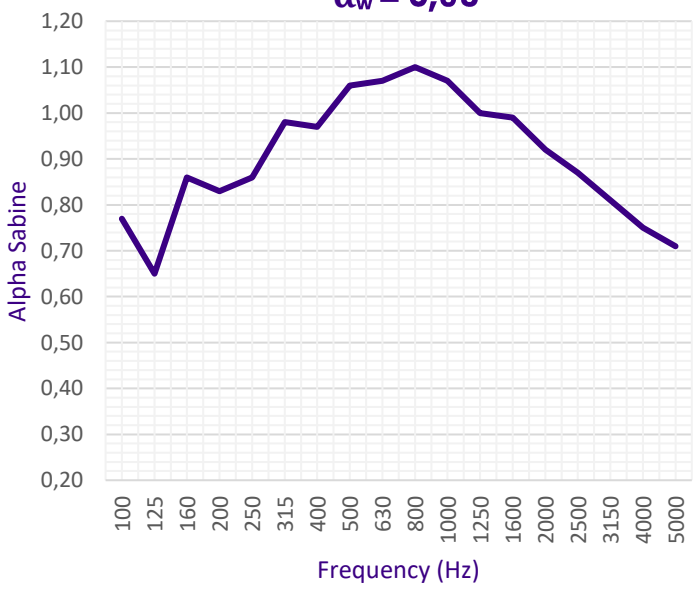


SYSTEM COMPOSITION

1. Perforated tray 160/600 th. 0,75 mm
2. Low density glasswool th. 160 mm
3. Particle board CTBH P5 th. 22mm
4. Acoustic panel PHONOTECH DK100

Absorption

$\alpha_w = 0,95$

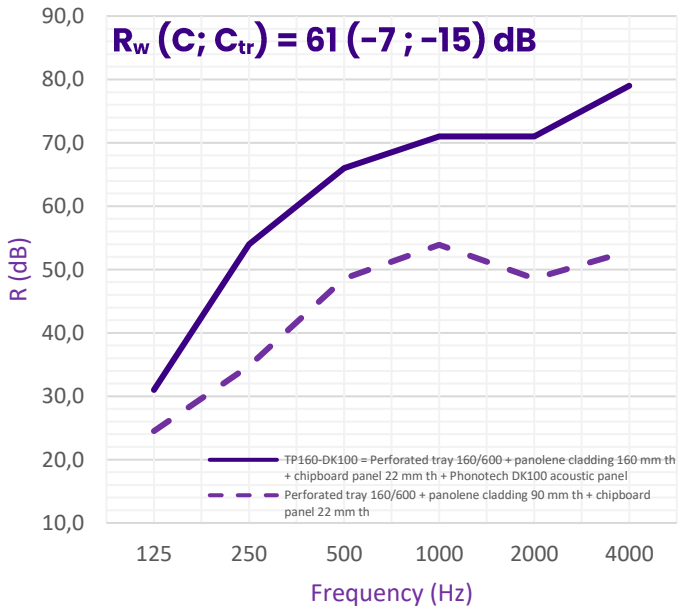


α_p per octave band (Hz)

Frequency (Hz)	125	250	500	1000	2000	4000
α_p	0,75	0,90	1,00	1,00	0,95	0,75

Insulation

$R_w (C; C_{tr}) = 61 (-7 ; -15)$ dB



R (dB) per octave band (Hz)

Frequency (Hz)	125	250	500	1000	2000	4000
R (dB)	31,0	54,0	66,0	71,0	71,0	79,0

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)						
TP160-DK100	61	54	46	0,95	8,28	0,12	51,77	304	Calcul CEDIA

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