

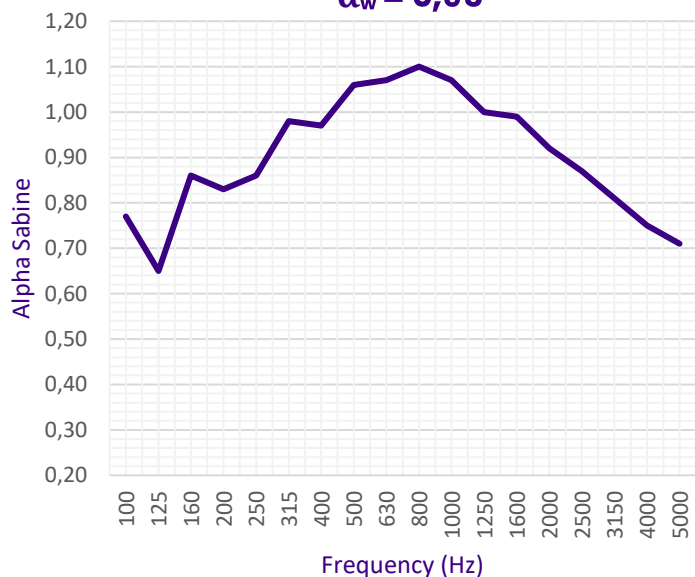


SYSTEM COMPOSITION

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 DK120

Absorption

$$\alpha_w = 0,95$$

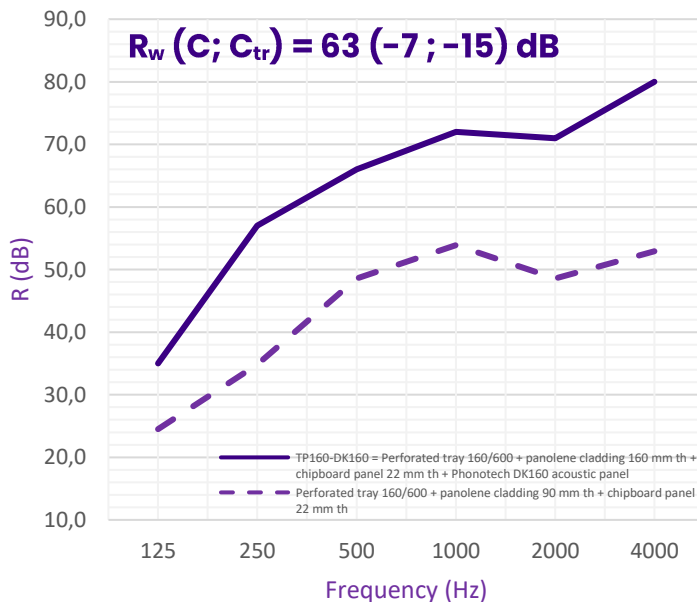


α_p per octave band (Hz)

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

Insulation

$$R_w (C; C_{tr}) = 63 (-7; -15) \text{ dB}$$



R (dB) per octave band (Hz)

Frequency (Hz)	125	250	500	1000	2000	4000
R (dB)	33,0	56,0	66,0	72,0	71,0	80,0

System	Sound reduction			α_w	Thermal R. (m ² .K/W)	U (W/m ² .K)	Weight (kg/m ²)	Thickness (mm)	PV
	R _w (dB)	RA (dB)	RA, tr (dB)						
TP160-DK120	63	56	48	0,95	8,84	0,11	53,26	324	Calcul CEDIA

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