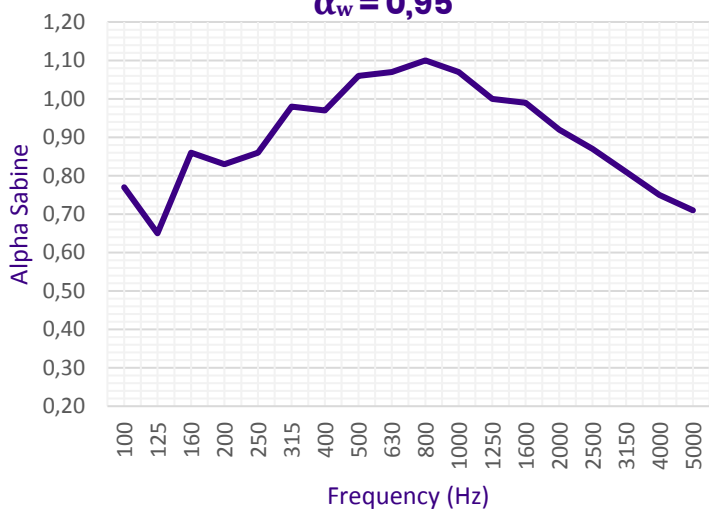


SYSTEM COMPOSITION

1. Perforated tray 90/500 th. 0,75 mm
2. Low density glasswool th. 160 mm
3. Plaster panel FERMACELL th. 18 mm
4. Acoustic panel PHONOTECH DK80

Absorption

$\alpha_w = 0,95$

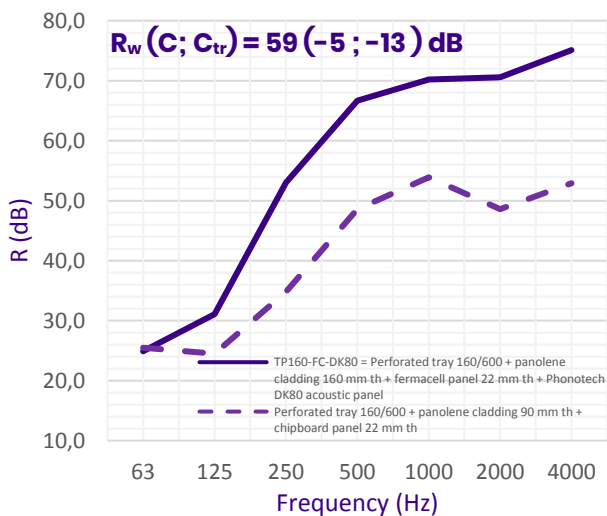


α_p per octave band (Hz)

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

Insulation

$R_w (C; C_{tr}) = 59 (-5; -13) \text{ dB}$



R (dB) per octave band (Hz)

Frequency (Hz)	63	125	250	500	1000	2000	4000
R (dB)	26,3	31,1	53,0	66,7	70,2	70,6	75,1

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)	R _A (dB)	R _{A,tr} (dB)						
TP160-FC-DK80	59	54	46	0,95	7,63	0,13	57,38	280	CEDIA(03/18)

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