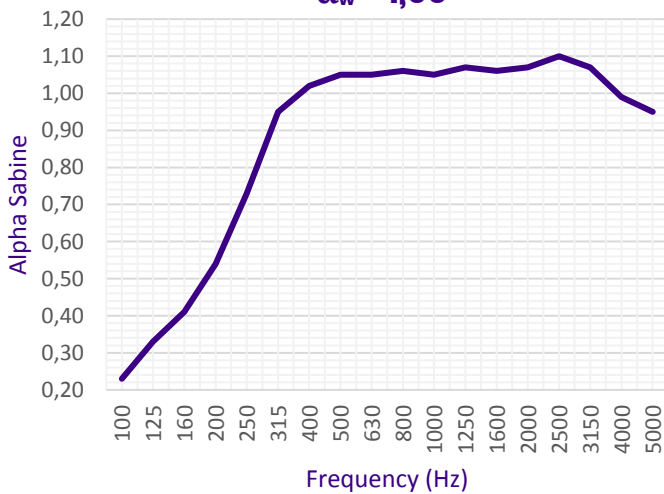


SYSTEM COMPOSITION

1. Perforated tray 90/500 th. 0,75 mm
2. Panolene cladding th. 90 mm
3. Fiber cement board th. 22 mm
4. Acoustic panel PHONOTECH DK140
5. Fiber cement board th. 22 mm

Absorption

$\alpha_w = 1,00$

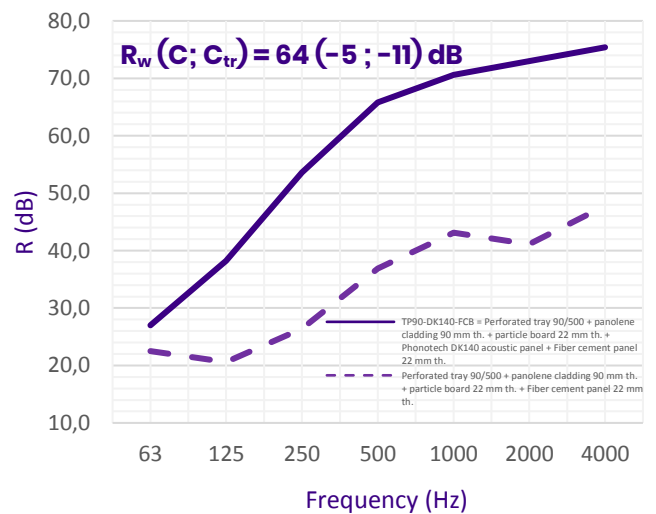


α_p per octave band (Hz)

Frequency (Hz)	125	250	500	1000	2000	4000
α_p	0,30	0,75	1,00	1,00	1,00	1,00

Insulation

$R_w (C; C_{tr}) = 64 (-5; -11) \text{ dB}$



R (dB) per octave band (Hz)

Frequency (Hz)	63	125	250	500	1000	2000	4000
R (dB)	27,0	38,2	53,6	65,8	70,6	73,0	75,4

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)						
TP90-DK140-FCB	64	59	53	1,00	6,79	0,15	73,03	296	CEDIA (02/18)

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