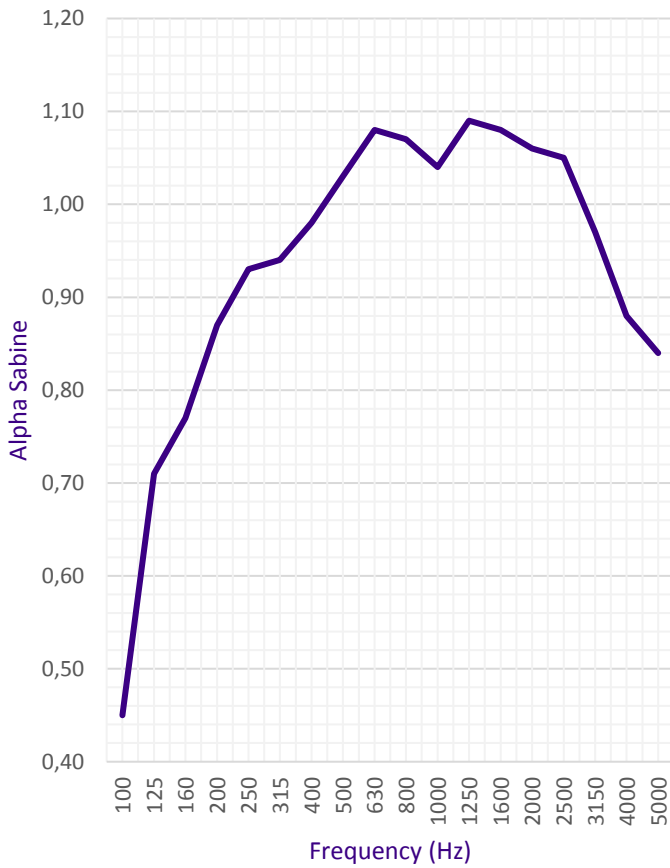


SYSTEM COMPOSITION

- | | |
|---------------------------------------|--|
| 1. Perforated tray 90/500 th. 0,75 mm | 7. Stonewool 200mm 40kg/m ³ |
| 2. Absorbing glasswool th. 30 mm | 8. Steel pole |
| 3. Stonewool th. 100mm | 9. Second steel structure |
| 4. Particle board CTBH P5 22 mm | 10. Corrugated steel sheet th. 1 mm |
| 5. Bitumen vapor barrier | 11. Particle board CTBH P5 th. 22 mm |
| 6. Acoustic Phono-Pad & Phono-Washer | 12. Acoustic panel Phonotech DK140 |

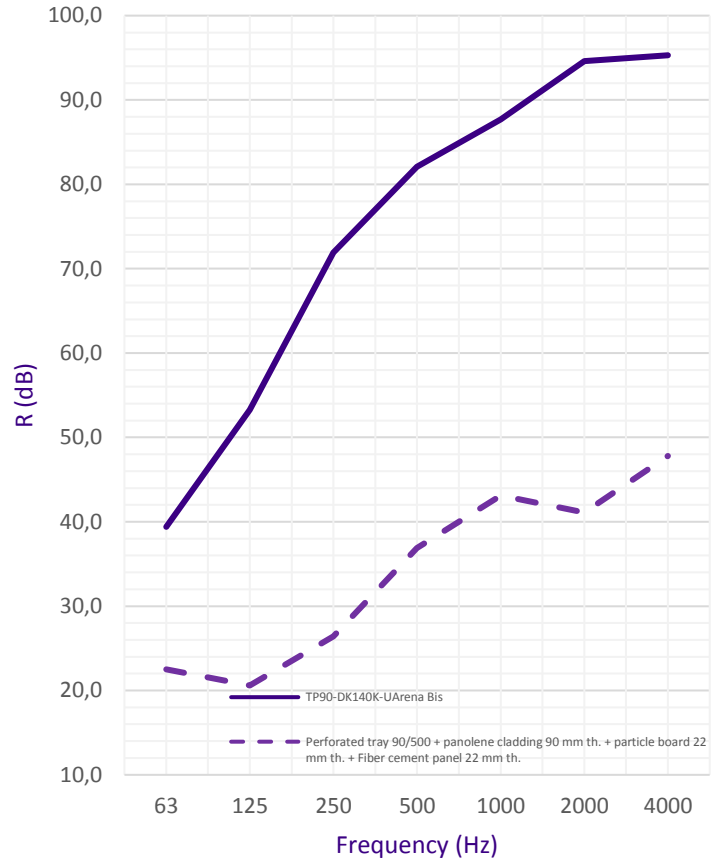
Absorption

$\alpha_w = 1,00$



Insulation

$R_w(C; C_{tr}) = 82(-6; -14) \text{ dB}$



α_p per octave band (Hz)

Frequency (Hz)	125	250	500	1000	2000	4000
α_p	0,64	0,91	1,03	1,07	1,06	0,90

R (dB) per octave band (Hz)

Frequency (Hz)	63	125	250	500	1000	2000	4000
R (dB)	39,4	53,3	71,9	82,1	87,7	94,6	95,3

System	Sound reduction			α_w	Thermal R (m ² /W)	U (W/m ² K)	Weight (kg/m ²)	Thickness (Mm)	PV
	R _w (dB)	R _A (dB)	R _{A,tr} (dB)						
TP90-DK140-UArena Bis	82	76	68	1,00	13,73	0,07	101,60	1148	CSTB (11/15)