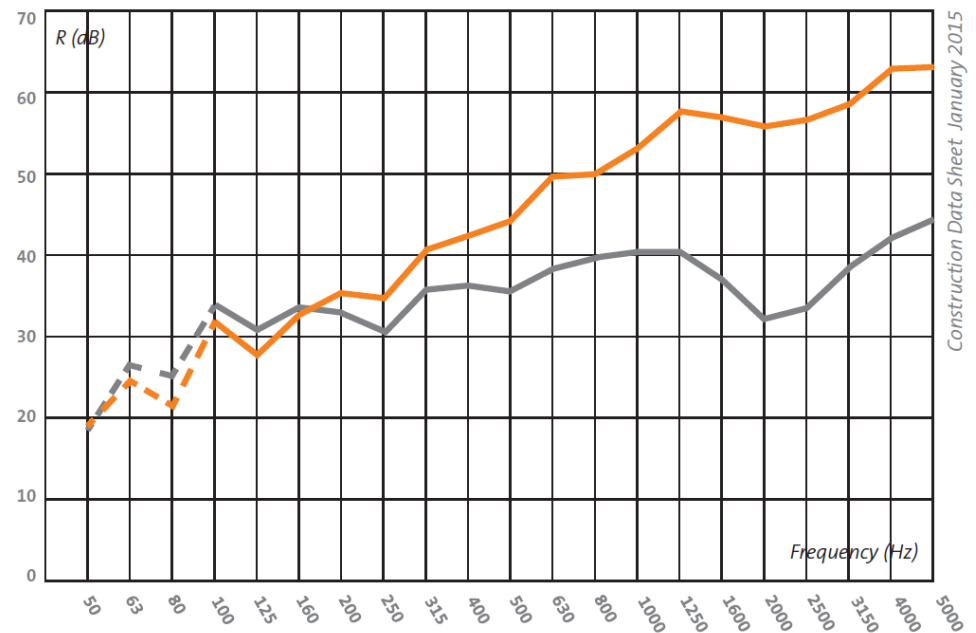


# ULTIMATE – Sound reduction

## A-60 Deck – Steel - Standard Design ; Plate: 36-70mm - Stiffener: 36-70mm

Plate		Stiffener		Complete solution <sup>1)</sup>		
Product	weight kg/m <sup>2</sup>	Product	weight kg/m <sup>2</sup>	weight kg/m <sup>2</sup>	U-Value W/m <sup>2</sup> -K	Sound Reduction Rw (C,C <sub>tr</sub> )
U SeaProtect Slab 36 70 mm or U SeaProtect Roll 36 70 mm	2,52	U SeaProtect Slab 36 70 mm or U SeaProtect Roll 36 70 mm	2,52	4,28	0,504	48 dB (-2,-6)

Frequency (Hz)	Steel 6mm	Tested Configuration
	R (dB)	R (dB)
50	18,2	19,4
63	26,5	24,6
80	25	21,6
100	34,1	32,1
125	30,8	27,6
160	33,8	32,4
200	32,9	35,7
250	30	34,7
315	35,8	40,4
400	36,4	42,2
500	35,5	44,3
630	38,5	49,6
800	39,6	50,1
1000	40,5	53,2
1250	40,1	57,9
1600	36,9	56,6
2000	32,4	55,6
2500	33,4	56,7
3150	38,4	58,5
4000	42,1	63
5000	44,6	63,3
R <sub>w</sub> (C;C <sub>tr</sub> )	37(-1;-1)	48(-2;-6)
R <sub>A</sub>	35,8	46,3
R <sub>A,tr</sub>	36,1	42,0



— Steel Plate: 6mm + Stiffeners X 2 L-shape :115mmX80 mm 10mm thick

- - - Tested Configuration: Plate: U SeaProtect Slab 36 70 mm  
Stiffeners: U SeaProtect Slab 36 70 mm

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