

## ACOUSTIC BAFFLE

### TECHNICAL DATA SHEET

May 2022

ShowTex Acoustic Baffles are made from 100% recycled material compressed together to optimize sound conditions.

» <b>ARTICLE CODE</b>	» <b>WIDTH</b>	» <b>LENGTH</b>	» <b>WEIGHT</b>
8185 8000 2007	140 cm	± 2 m	9.6 kg/panel

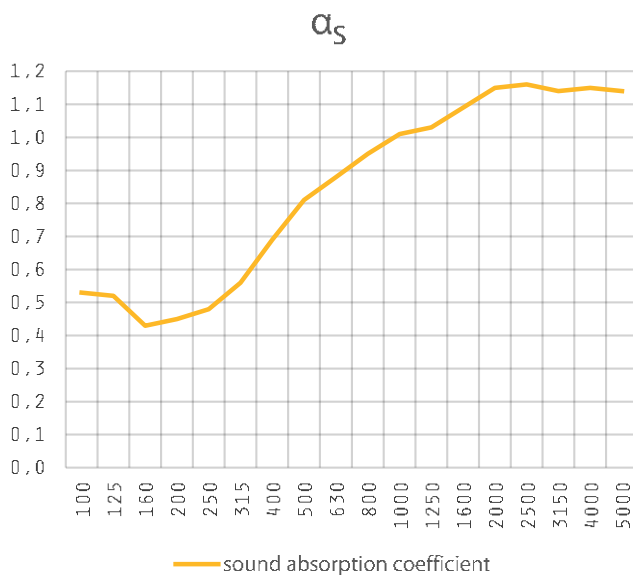
» <b>FLAME RESISTANCE</b>	
NFP 92-503	CLASS M3
BS 5867 part 2B	PASS



» <b>SUSPENSION BELTS</b>	» <b>LENGTH</b>	» <b>WEIGHT</b>
8185 9600 1007	per meter	125 g/rm
8185 9600 1407	140 cm	185 g/belt
8185 9600 2007	200 cm	250 g/belt
8185 9600 3007	300 cm	375 g/belt

### SOUND ABSORPTION

Measured with an airgap of 100 cm



f(Hz)	$\alpha_s$
100	0.53
125	0.52
160	0.43
200	0.45
250	0.48
315	0.56
400	0.69
500	0.81
630	0.88
800	0.95
1000	1.01
1250	1.03
1600	1.09
2000	1.15
2500	1.16
3150	1.14
4000	1.15
5000	1.14

ISO 11654

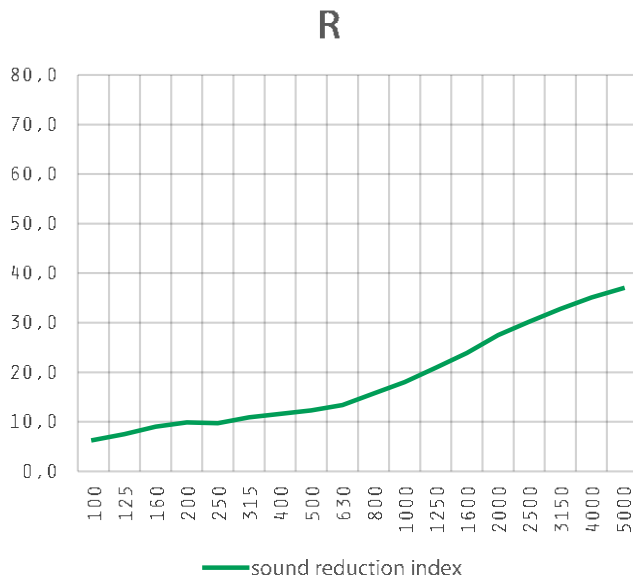
$\alpha_w = 0.80(H)$

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#### SOUND INSULATION • SINGLE LAYER

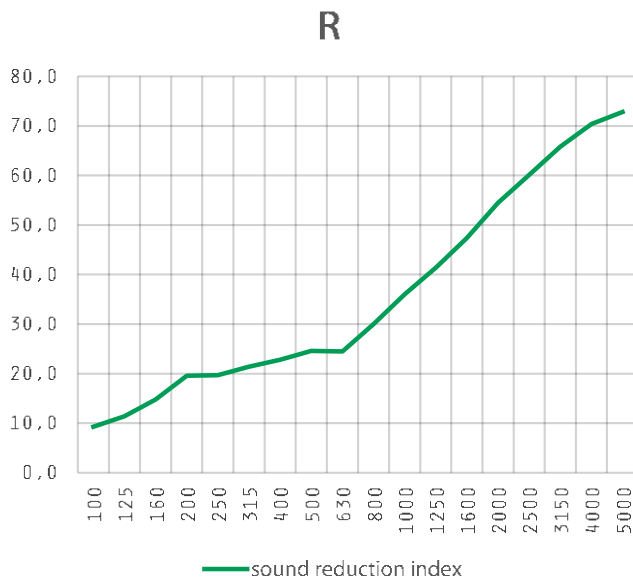


f(Hz)	R(dB)
100	6,3
125	7,5
160	9,0
200	9,9
250	9,7
315	10,9
400	11,6
500	12,3
630	13,4
800	15,7
1000	18,0
1250	20,9
1600	23,9
2000	27,5
2500	30,2
3150	32,8
4000	35,1
5000	36,9

**ISO 140 - 3**  
**R<sub>w</sub> = 18 dB**

#### SOUND INSULATION • DOUBLE LAYER

2 layers Acoustic Baffle with a cavity of 30 cm between them



f(Hz)	R(dB)
100	9,3
125	11,4
160	14,8
200	19,6
250	19,7
315	21,4
400	22,8
500	24,6
630	24,5
800	30,0
1000	36,0
1250	41,4
1600	47,4
2000	54,5
2500	60,1
3150	65,8
4000	70,4
5000	72,8

**ISO 140 - 3**  
**R<sub>w</sub> = 29 dB**