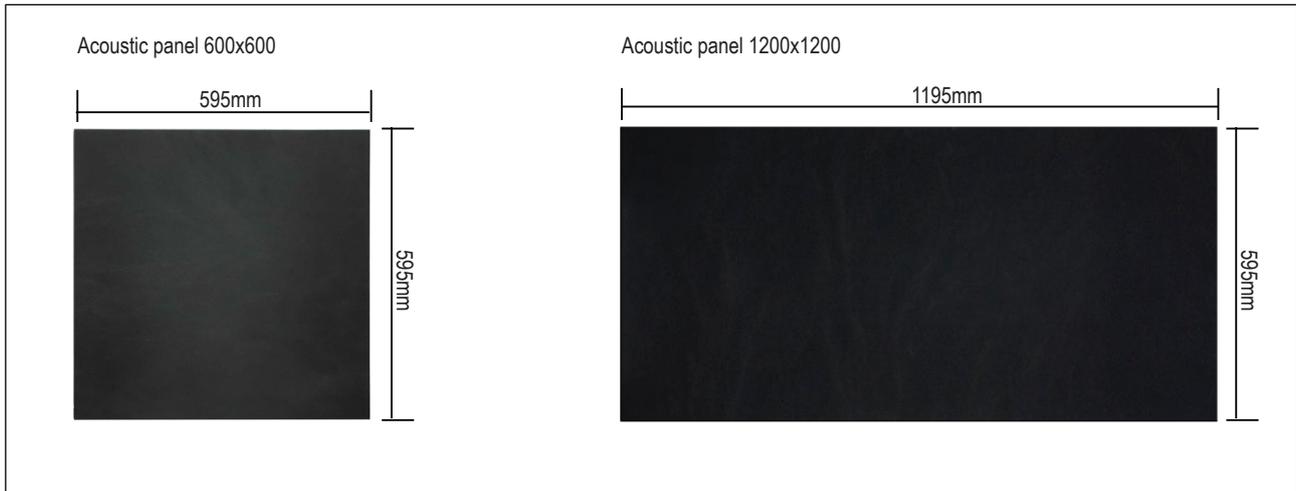


SERIES: StarEFX Panels
PART NO: ACOUSTIC-PANEL BK

DETAILS AND SPECIFICATIONS

The sound absorbing acoustic panels are made from highly compressed fibreglass wool adding acoustic benefits to your home theatre, studio or media room. The panels are available in two sizes 1200x600mm and 600x600mm. The face side of the panels are finished with a black tissue.
 Advantages: non-combustible - no sagging, wrapping or delaminating - green building material - excellent sound absorption.

DETAILS



TECHNICAL DATA

Material: Torrefaction compounded high density fibreglass wool
 Face: Special painting laminated with decorative fibreglass tissue
 Colour: Black
 Fire-resistant: Class A, non- combustible according to GB9624-1997
 Thermal-resistant: ≥ 0.5 (m²·k/w)
 Humidity: Dimensionally stable with RH up to 95% at 40
 Moisture rate: Enviromental impact: Tiles and packing are fully recyclable
 Safety: Limit of radionuclides in building materials
 Specific activity of 226Ra $I_{ras} \leq 1.0$
 Specific activity of 226Ra, 232Th, 40K: $IR \leq 1.3$

Panel Specifications:

Panel size: 1195Lx595Wx35H (mm)
 Panel weight: 2.0kg
 Class A, non- combustible according to GB9624-1997

Panel size: 595Lx595Wx20H (mm)
 Panel weight: 0.80kg
 Class A, non- combustible according to GB9624-1997

INSTALLATION

Panel are fixed to the plaster ceiling with 4 screws for the 600x600 panel and 6 screws for the 1200x600 panel.

PACKING DETAILS

PACKING	MEASUREMENTS	WEIGHT	VOLUME
SINGLE			

NRC testing result:

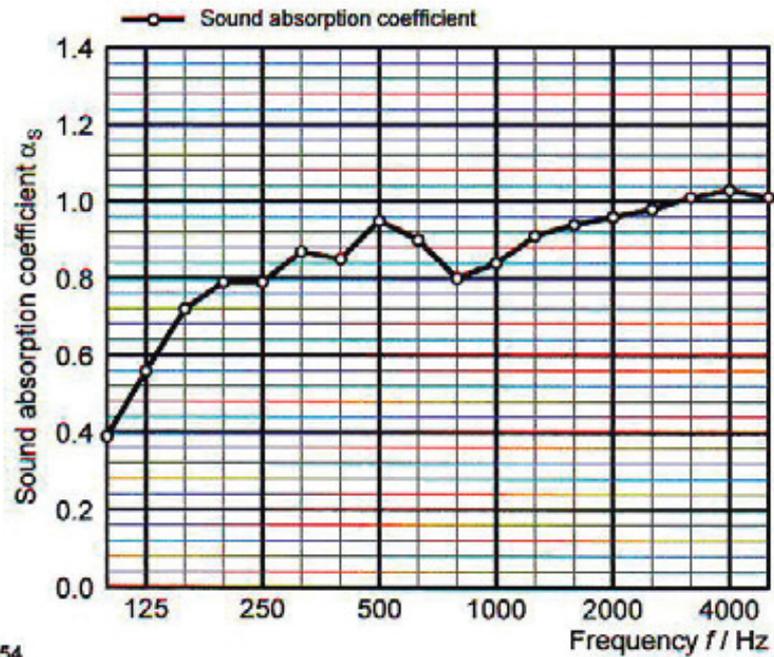
Room: reverberation room
 Volume: 199.70 m³
 Size: 10.58 m²
 Date of test: 2005-09-20

	θ [°C]	r. h. [%]	B [kPa]
with specimen	21.2	41	95.6
without specimen	21.4	41	95.6

Accredited testing laboratory
 according to ISO/IEC 17025



Frequency [Hz]	α_s 1/3 octave	α_p oktave
100	0.39	
125	0.56	0.55
160	0.72	
200	0.79	
250	0.79	0.80
315	0.87	
400	0.85	
500	0.95	0.90
630	0.90	
800	0.80	
1000	0.84	0.85
1250	0.91	
1600	0.94	
2000	0.96	0.95
2500	0.98	
3150	1.01	
4000	1.03	1.00
5000	1.01	



α_s Sound absorption coefficient according to ISO 354
 α_p Practical sound absorption coefficient according to ISO 11654

Rating according to ISO 11654: Weighted sound absorption coefficient $\alpha_w = 0.90$ Sound absorption class: A	Rating according to ASTM C423: Noise Reduction Coefficient NRC = 0,90 Sound Absorption Average SAA = 0,88
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MÜLLER-BBM

Planegg, 2005-11-21
 No. of test report M63 948/2



Appendix A
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