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Advanced Acoustics Euphonic F.A.T. Standard Acoustic Tile

Data Sheet

Individual Acoustic Tile Sizes Available	15” x 15” (381mm x 381mm)
Quantity Of Acoustic Tiles Per Box	24
Total Area Covered Per Box	37.5ft^2 (3.48m^2)
Acoustic Tile Thickness	Plain - 1” (25mm) at the base, 2” (50mm) at the peak Profiled – ¾” (20mm) at the base, 1 ½” (40mm) at the peak
Noise Reduction Coefficient (NRC)	0.75
Acoustic Foam Colour	Charcoal
Acoustic Foam Density	30 kg/m^3
Acoustic Foam Composition	Open Cell Polyurethane Acoustic Foam
Fire Classification	Crib 5 and Schedule 1, Part 1 of the Furnishings and Furniture (fire)(safety) Regulations 1988 (amended 1989)
Profile Description	An evenly mixed box of random egg-box style profile cut on a convoluting machine and plain faced tiles with a 45^0 taper on all 4 sides, 12 tiles of each

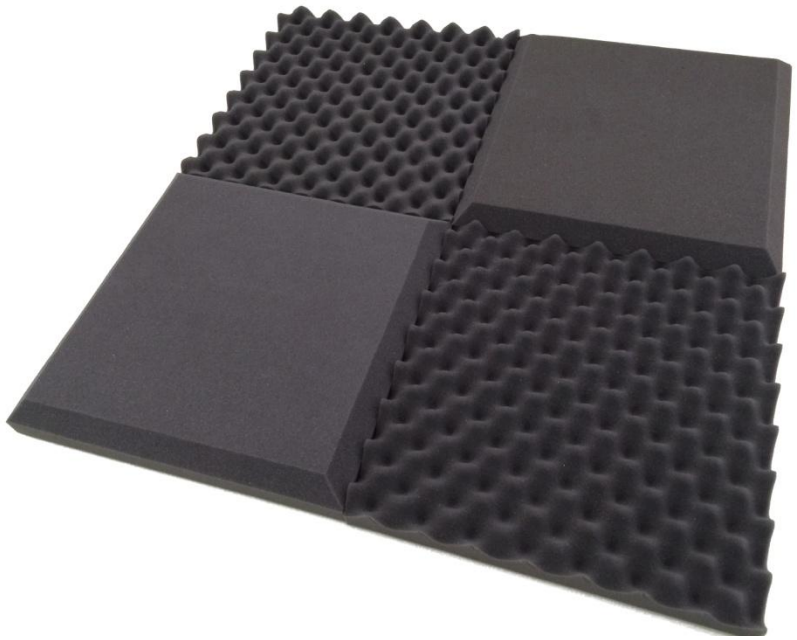
Description

The Euphonic range of acoustic tiles is a very popular choice for studio installers. The mix of plain faced tiles and profiled tiles is a unique idea that offers outstanding performance for the price and thickness. It also adds another insight to what acoustic treatment can look like. By installing clusters of these tiles on the wall you can create a stylish and unique looking studio. But it isn’t just the visual appeal that makes this range of acoustic tiles impressive it’s the performance that comes with it. The problem with plain faced tiles is that they can look a little bland. However plain faced tiles will give you better absorption over profiled tiles of the same thickness. The problem with profiled tiles is that by removing some of the foam from the tile you reduce performance but they look cooler than plain faced acoustic tiles. So why not combine the two and totally eliminate the problem?

With a total thickness of just 50mm it is amazing that we have been able to get so much absorption from such a thin tile. This performance doesn’t just come around by chance. We carefully develop each product to ensure we give you the best absorption possible for the best price possible and if sales of this range are anything to go by, we got this one very right.

The acoustic foam we use conforms to the more stringent fire tests of Crib 5 and Schedule 1, Part 1 of the Furnishings and Furniture Regulations so you will have peace of mind that the product you are using is safe also. And you also have our guarantee that the foam will stand the test of time. The colour we use has been carefully selected to ensure that it doesn't quickly discolour or fade over time. You won't have the problem of the foam crumbling and turning to dust either. We know that treating your studio is a big investment and we want to make sure that your investment stands the test of time. The only way to ensure that is by sticking with Advanced Acoustics. We have many years of experience in acoustic treatment and soundproofing. Acoustic Treatment and Soundproofing are the only products we deal with. You won't see us selling any other forms of foam or bedding. Acoustic foam is all we do and we are very good at it as our outstanding feedback and previous customers will testify. Our products have been used by a full host of companies including the BBC, Williams F1 Team, McLaren, Cisco, Cadburys and ITN just to mention a few.

This item is kept permanently in stock. The foam we use is an open cell polyurethane acoustic foam and is available in charcoal only. A thicker version of this tile is also available.



Full performance details are on the next page

SRL

The Laboratory Measurement of Random Incidence Sound Absorption to BS EN ISO 354:2003

Client: Advanced Acoustics
Test Date: 21/03/2014
Empty Room: **Temperature:** 16.5 °C **Humidity:** 55 %RH **Pressure:** 998 mbar
Room with Sample: **Temperature:** 15.2 °C **Humidity:** 50 %RH **Pressure:** 998 mbar
Sample Description: FAT Euphonic Standard Acoustic Tile Pack

Mounting Method: A
Sample Area: 11.5 m2
Chamber Volume: 300 m3

	Test 11			
Freq Hz	T1 sec	T2 sec	Absorp Coeff	Practical Absorp Coeff #
*50**	*4.13*	*4.51*	*-0.08*	
*63**	*5.45*	*5.63*	*-0.02*	*n/a*
*80**	*6.44*	*5.71*	*0.09*	
100	7.26	6.02	0.12	
125	7.13	5.79	0.14	0.15
160	6.70	5.35	0.16	
200	6.71	4.93	0.23	
250	7.26	4.51	0.36	0.40
315	7.13	3.75	0.54	
400	6.43	3.22	0.66	
500	5.37	2.67	0.80	0.80
630	5.06	2.49	0.87	
800	5.54	2.48	0.95	
1000	5.75	2.58	0.91	0.95
1250	5.58	2.51	0.93	
1600	5.10	2.34	0.97	
2000	4.59	2.17	1.01	1.00
2500	4.00	2.00	1.02	
3150	3.39	1.75	1.10	
4000	2.67	1.52	1.09	1.00
5000	2.11	1.27	1.15	
*6300**	*1.48*	*1.00*	*1.10*	
*8000**	*1.20*	*0.83*	*1.17*	*n/a*
*10000**	*0.87*	*0.61*	*1.53*	

α_w 0.70(MH)

Class C

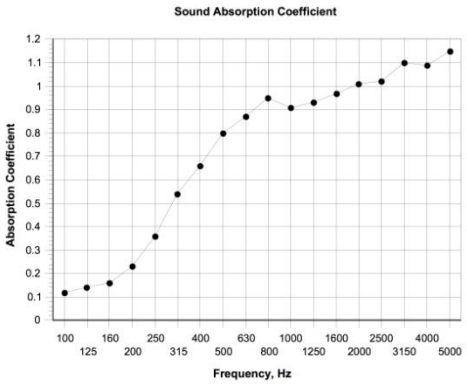
Calculated to EN ISO 11654:1997

NRC 0.75

Calculated to ASTM C 423-01

** Denotes frequencies outside the range covered by BS EN ISO 354:2003*

T1, empty room reverberation time
T2, room reverberation time with sample



Practical absorption coefficient, BS EN ISO 11654:1997

v4.3