

ecoustic[®] print by *Michael Jolley*



ecoustic[™] by INSTYLE



TRI, DISC and META by *Michael Young*

The ecoustic® print collection, designed by leading product designer Michael Young, is available for ecoustic® panel + screen.

TRI, DISC and META are the first textile designs by Michael Young. Reflecting the designer's industrial and architectural influences, the three sophisticated designs were created through a specialized interactive software program where the data output from frequency alterations results in the abstraction of geometric shapes.



ecoustic® panel + screen are designed to reduce and control reverberated noise in building interiors.

ecoustic® panel + screen features numerous benefits such as superior acoustic, tackability and environmental performance, which is ideal for office, government, education, public building, hospitality, retail and residential interiors.

Improved Sound Absorption

ecoustic® panel + screen is designed to reduce and control reverberated noise in building interiors such as open plan offices, bars, restaurants, theatres, convention centres and public spaces.

ecoustic® panel can absorb 30%, 50%, 80% and 95% of sound depending on the panel thickness when the panel is directly fixed to a wall. ecoustic® screen can absorb 50% of sound. The sound absorption improves if the panel + screen is installed with an air gap.

Improved Tackability

ecoustic® panel + screen features an improved tackability compared to similar nonwoven panel products.

Designed for the Environment and Low-VOC

There is minimal waste during the production of ecoustic® panel + screen, and any production waste is recycled. ecoustic® panel + screen is certified low-VOC and recyclable.

Thermal Performance

ecoustic® panel: 0.98" and 1.97" offer an additional benefit of increasing the thermal performance and energy efficiency of an existing building. Retrofitting to an existing wall will increase the thermal performance by R 0.7 (0.98" ecoustic) and R 1.4 (1.97" ecoustic).

Lightweight, Easy to Handle + Install

Compared to traditional systems, ecoustic® panel + screen is lower in weight, easier to handle and results in reduced transportation costs. ecoustic® panel + screen can be trimmed and installed without the need for additional finishes, which reduces labor and material costs.

Optimum Dimensions

ecoustic® panel + screen is designed to optimally fit with walls and workstations, which results in less labor and materials.

Aluminum Edging

ecoustic® panels can be fixed to walls with ecoustic® aluminum edging. With its slim profile, ecoustic® edging profiles are ideal to use to install ecoustic® panels as they create a lightweight, easily-assembled systems that reduce the use of non-recyclable glues and tapes.

ecooustic[®] print

TRI by *Michael Toney*



TRI Slate on Light Grey



TRI Ash on Natural



TRI White on White



TRI Black on Charcoal

ecoustic[®] print

DISC by *Michael Toney*



DISC Moss on Natural



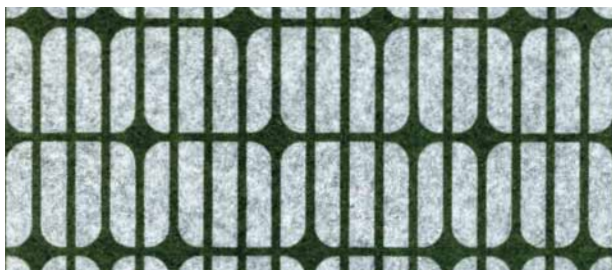
DISC Stone on Charcoal



DISC White on White

ecooustic[®] print

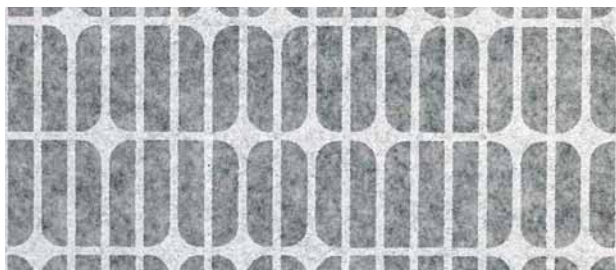
META by *Michael Young*



META Olive on Light Grey



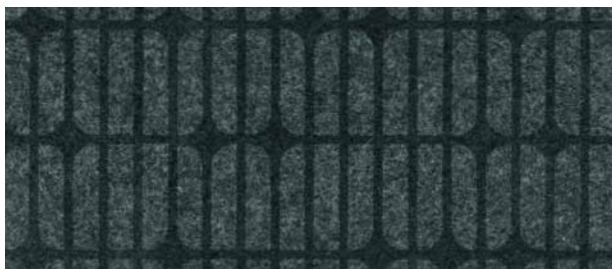
META Ash on White



META White on Light Grey



META Stone on Natural



META Black on Charcoal

SPECIFICATIONS

	ecoustic® panel: 0.31"	ecoustic® panel: 0.53"	ecoustic® panel: 0.98"	ecoustic® panel: 1.97"	ecoustic® screen
Print	TRI - 4 colorways, DISC - 3 colorways and META - 5 colorways; by Michael Mung Pattern is railroaded for ecoustic® screen Refer to website for latest print designs				
Pattern Repeat	TRI H: 17.7" V: 16.9" (H: 450mm V: 430mm) DISC H: 3.9" V: 2.3" (H: 100mm V: 58mm) META H: 23.6" V: 23.1" (H: 600mm V: 588mm)				TRI H: 16.9" V: 17.7" (H: 430mm V: 450mm) DISC H: 2.3" V: 3.9" (H: 58mm V: 100mm) META H: 23.1" V: 23.6" (H: 588mm V: 600mm)
Colorways	16				
Composition	100% polyester				
Thickness	0.31" (+/- 0.04") 8mm (+/- 1mm)	0.53" (+/- 0.04") 13.5mm (+/- 1mm)	0.98" (+/- 0.08") 25mm (+/- 2mm)	1.97" (+/- 0.08") 50mm (+/- 2mm)	0.59" (+/- 0.04") 15mm (+/- 1mm)
Weight (+/-10%)	5.1 oz / sq ft 1550gsm	9 oz / sq ft 2750gsm	8.7 oz / sq ft 2650gsm	13.6 oz / sq ft 4150gsm	10.1 oz / sq ft 3100gsm
Density	12.1 lb / cu ft 194kg/m³	12.7 lb / cu ft 204kg/m³	6.6 lb / cu ft 102kg/m³	5.2 lb / cu ft 83kg/m³	12.9 lb / cu ft 207kg/m³
Dimensions	8'11" x 3'11" / 35 sq ft 2700 x 1200mm				3'11" x 7'11" 1200 x 1800mm 3'11" x 5'11" (minimums apply) 1200 x 2400mm
Fire Test	ASTM E-84				
Environment	Low-VOC				
Acoustic	NRC 0.30 (Direct Fix)	NRC 0.50 (Direct Fix)	NRC 0.80 (Direct Fix)	NRC 0.95 (Direct Fix)	NRC 0.50 (Direct Fix)
	NRC 0.40 (0.55" airgap)	NRC 0.60 (0.55" airgap)	—	—	NRC 0.60 (0.55" airgap)
	NRC 0.45 (0.94" airgap)	NRC 0.65 (0.94" airgap)	NRC 0.85 (0.98" airgap)	—	NRC 0.65 (0.94" airgap)
	NRC 0.55 (1.97" airgap)	NRC 0.70 (1.97" airgap)	—	—	NRC 0.70 (1.97" airgap)
Thermal Performance	—	—	R 0.7	R 1.4	—
Usage	Screens, partitions, wall and ceiling panels				
Please Note	ecoustic® print is a hand printed product. Variation in fiber mix and color is an inherent feature of this product. Variation from batch to batch may occur. All products will be supplied within commercial tolerance.				
Installation + Care	Please refer to our website for Installation + Care and Trimming Guidelines				

SIDE PROFILES

ecoustic® panel



0.31" (8mm)



0.53" (13.5mm)



0.98" (25mm)



1.97" (50mm)

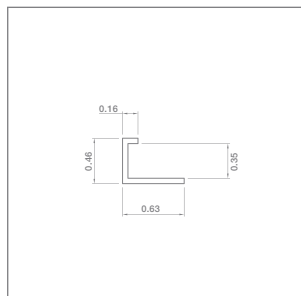
ecoustic® screen



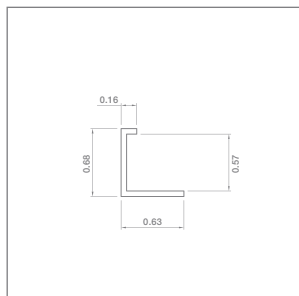
0.59" (15mm)

ALUMINUM EDGING

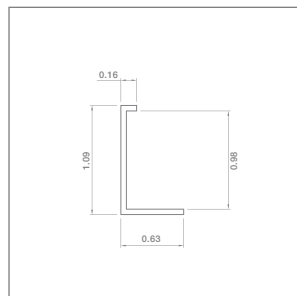
108.27" (2750mm) natural anodized aluminum edging lengths with counter sunk holes are available for each ecoustic[®] panel thickness.



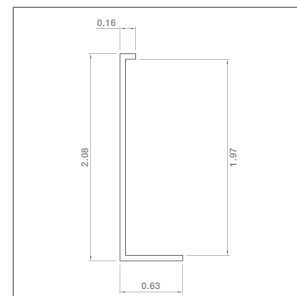
0.31" panel



0.53" panel



0.98" panel



1.97" panel

Aluminum Edging Profiles



0.35" (9mm)



0.57" (14.5mm)



0.98" (25mm)



1.97" (50mm)



0.35" Back-to-Back



0.57" Back-to-Back



0.98" Back-to-Back

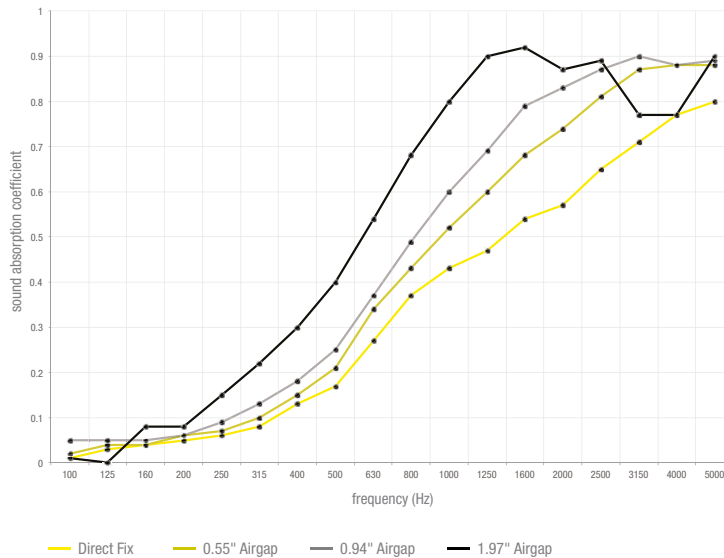


1.97" Back-to-Back

SOUND ABSORPTION RESULTS

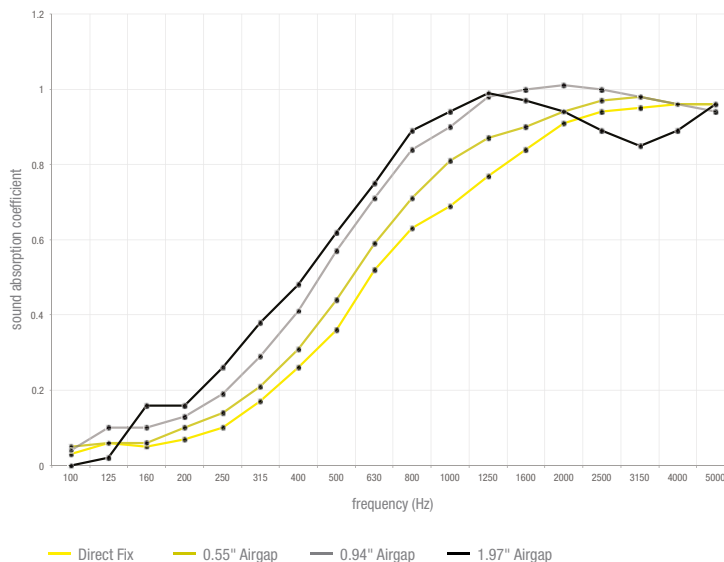
The sound absorption has been tested in accordance with AS/ISO 354. For complete test reports please contact UNIKA VAEV.

0.31" panel



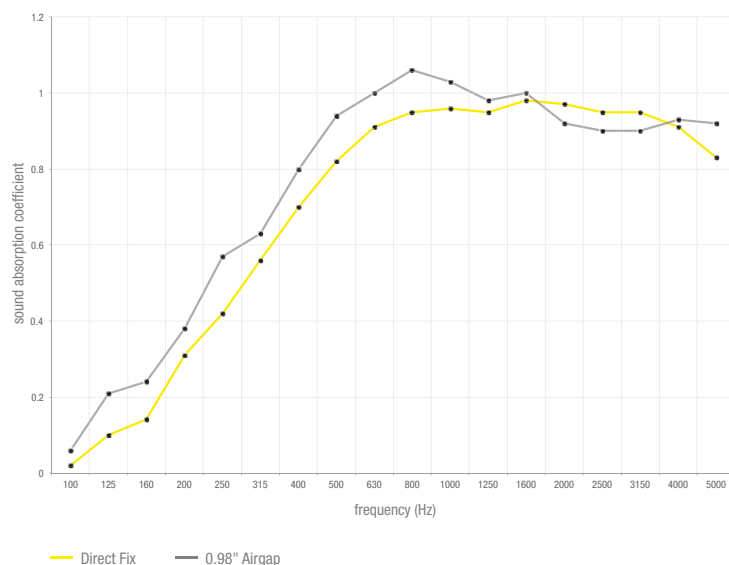
Frequency Band	Direct Fix	0.55" Airgap	0.94" Airgap	1.97" Airgap
100	0.01	0.02	0.05	0.01
125	0.03	0.04	0.05	0.00
160	0.04	0.04	0.05	0.08
200	0.05	0.06	0.06	0.08
250	0.06	0.07	0.09	0.15
315	0.08	0.10	0.13	0.22
400	0.13	0.15	0.18	0.30
500	0.17	0.21	0.25	0.40
630	0.27	0.34	0.37	0.54
800	0.37	0.43	0.49	0.68
1000	0.43	0.52	0.60	0.80
1250	0.47	0.60	0.69	0.90
1600	0.54	0.68	0.79	0.92
2000	0.57	0.74	0.83	0.87
2500	0.65	0.81	0.87	0.89
3150	0.71	0.87	0.90	0.77
4000	0.77	0.88	0.88	0.77
5000	0.80	0.88	0.89	0.90
NRC	0.30	0.40	0.45	0.55

0.53" panel + ecooustic® screen



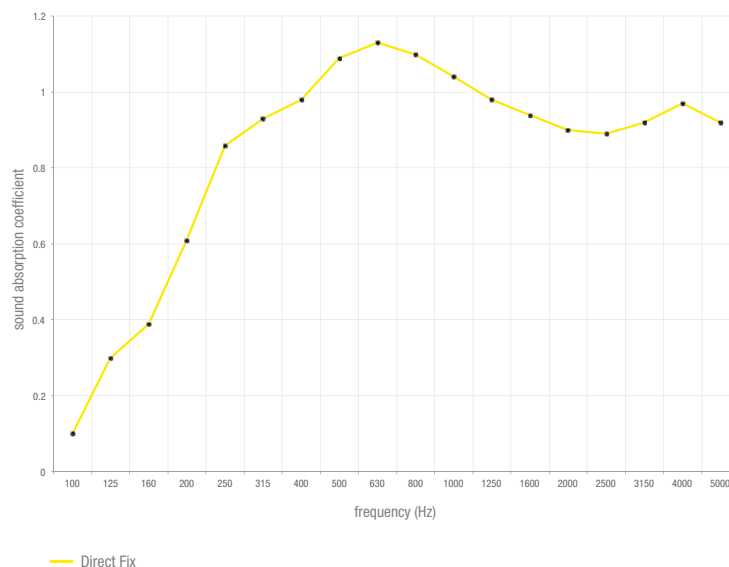
Frequency Band	Direct Fix	0.55" Airgap	0.94" Airgap	1.97" Airgap
100	0.03	0.05	0.04	0.00
125	0.06	0.06	0.10	0.02
160	0.05	0.06	0.10	0.16
200	0.07	0.10	0.13	0.16
250	0.10	0.14	0.19	0.26
315	0.17	0.21	0.29	0.38
400	0.26	0.31	0.41	0.48
500	0.36	0.44	0.57	0.62
630	0.52	0.59	0.71	0.75
800	0.63	0.71	0.84	0.89
1000	0.69	0.81	0.90	0.94
1250	0.77	0.87	0.98	0.99
1600	0.84	0.9	1.00	0.97
2000	0.91	0.94	1.01	0.94
2500	0.94	0.97	1.00	0.89
3150	0.95	0.98	0.98	0.85
4000	0.96	0.96	0.96	0.89
5000	0.96	0.96	0.94	0.96
NRC	0.50	0.60	0.65	0.70

0.98" panel



Frequency Band	Direct Fix	0.98" Airgap
100	0.02	0.06
125	0.10	0.21
160	0.14	0.24
200	0.31	0.38
250	0.42	0.57
315	0.56	0.63
400	0.70	0.80
500	0.82	0.94
630	0.91	1.00
800	0.95	1.06
1000	0.96	1.03
1250	0.95	0.98
1600	0.98	1.00
2000	0.97	0.92
2500	0.95	0.90
3150	0.95	0.90
4000	0.91	0.93
5000	0.83	0.92
NRC	0.80	0.85

1.97" panel



Frequency Band	Direct Fix
100	0.10
125	0.30
160	0.39
200	0.61
250	0.86
315	0.93
400	0.98
500	1.09
630	1.13
800	1.10
1000	1.04
1250	0.98
1600	0.94
2000	0.90
2500	0.89
3150	0.92
4000	0.97
5000	0.92
NRC	0.95

TRANS SEAS

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