

Ecoustic® SC Panel

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An acoustic panel with a solid colour (SC) profile ideal for exposed edge applications



Solid Colour 12mm



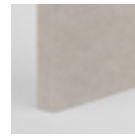
Snowdrop



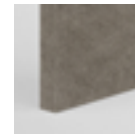
Ecru



Almond



Horizon



Fawn



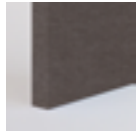
Truffle



Sand



Buff



Dusk



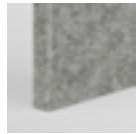
Kiln



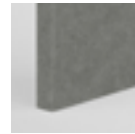
Oxide



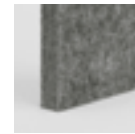
Cool



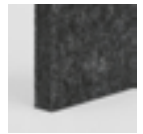
Atom



Cirrus



Tungsten



Galaxy



Denim



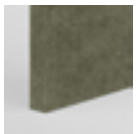
Jay



Night



Cave



Olive



Isle



Azure



Wild

Solid Colour 24mm



Pure



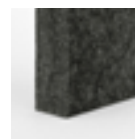
Vanilla



Stone



Ash



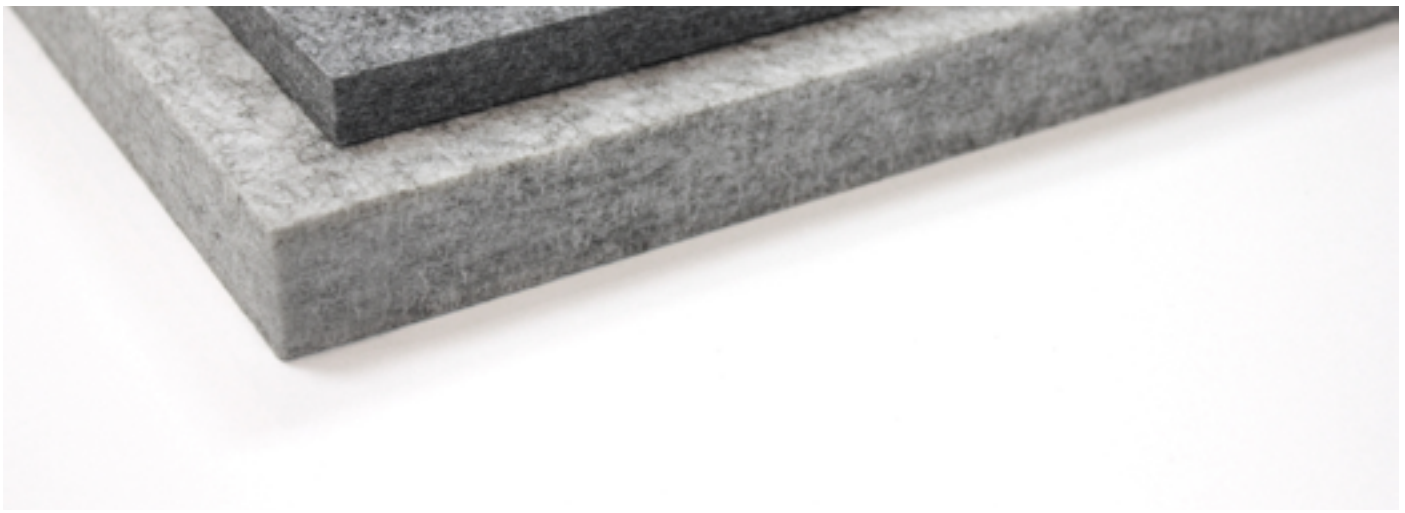
Graphite



Nero

Custom colours are available, minimums apply

Please refer to physical sample finish as colour may vary from screen



PRODUCT	Ecoustic® Solid Colour Panel (SC)	
COMPOSITION	100% PET (60% recycled PET)	
THICKNESS	12mm (+/-1mm approx.) 24mm (+/-2mm approx.)	
WEIGHT	12mm: 2400gsm	
DIMENSIONS	12mm: 1220 x 2800mm approx. 24mm: 1210 x 2720mm approx.	
LIGHTFASTNESS ISO 105-B02	>7 Interior products must be protected from direct heat + sunlight	
FIRE RATINGS		
AS/NZS 1530.3	12mm	24mm
Ignitability	8	8
Spread of Flame	0	0
Heat Evolved	1	1
Smoke Developed	5	5
AS/ISO 9705	BCA Group 1, SMOGRA <100 NZBC Group 1-S	
ASTM E84	12mm: Class A	
ACOUSTIC	Refer to results on following page	
APPLICATION	Workstation screen, partition, wall panel, ceiling, pinboards	
PLEASE NOTE	Onsite trimming to square each panel is essential. Variation in thickness, fibre mix, colour as well as flecks + surface blemishes are an inherent + unavoidable feature. Variations from panel to panel can occur, panel joins may be obvious upon installation creating a panelling effect. Installation may require onsite adjustment by the contractor to achieve a professional finish + minimal variation Results from performance tests are guidelines only	

BENEFITS

Lightweight, Easy to Handle + Install

Compared to traditional panels, Ecoustic® SC is lower in weight, easier to handle and results in reduced transportation costs. Ecoustic® SC can be trimmed and installed without the need for additional finishes, which reduces labour and material costs. Installation + Care Guidelines are available on our website.

Edging Profile

14.5mm + 25mm natural anodised aluminium edging length + T Trims in natural anodised or black powdercoat at 2750mm (+/- 5mm) are available.

Warranty

5 year conditional warranty against manufacturing defects. This applies to internal installation only, outdoor use will void any warranty.

IMPORTANT

Thickness Tolerances

Please note panel thickness may vary +/-1-2mm approx.

Overhead Safety

Instyle recommends structural engineers safety certification for all overhead installations.

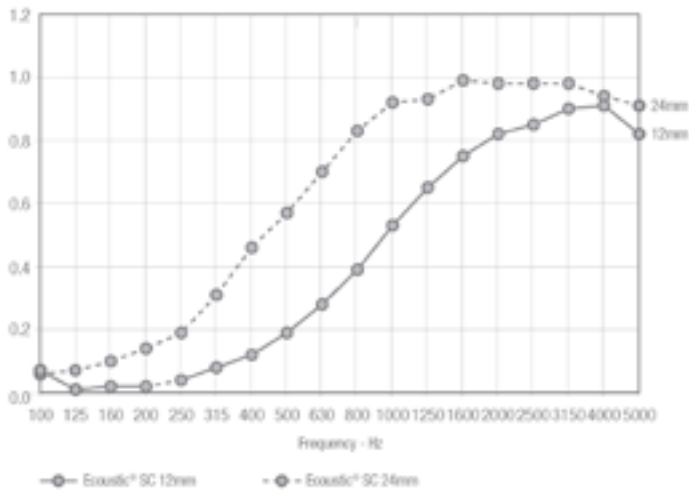
HOW TO SPECIFY

PRODUCT	Ecoustic® Solid Colour SC Panel
THICKNESS	12mm or 24mm
COLOUR	Select from applicable SC colours for nominated thickness

The sound absorption has been tested in accordance with AS/ISO 354

12mm NRC 0.4 / α_w 0.25 (Direct Fix)
 24mm NRC 0.65 / α_w 0.45 (Direct Fix)

For complete test reports please contact your local distributor



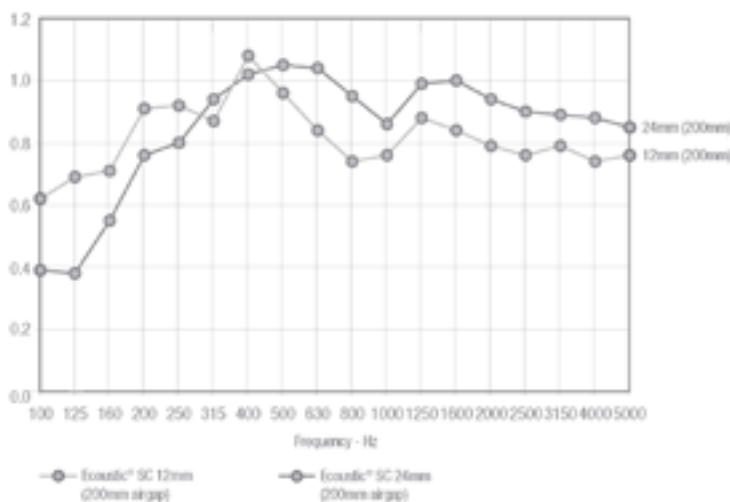
Frequency	α_S 12mm	α_S 24mm
100	0.07	0.06
125	0.01	0.07
160	0.02	0.10
200	0.02	0.14
250	0.04	0.19
315	0.08	0.31
400	0.12	0.46
500	0.19	0.57
630	0.28	0.70
800	0.39	0.83
1000	0.53	0.92
1250	0.65	0.93
1600	0.75	0.99
2000	0.82	0.98
2500	0.85	0.98
3150	0.90	0.98
4000	0.91	0.94
5000	0.82	0.91
NRC	0.4	0.65

Ecoustic® SC 24mm is ideal for medium to high frequency absorption.

The sound absorption has been tested in accordance with AS/ISO 354

12mm NRC 0.85 / α_w 0.8 (200mm air gap)
 24mm NRC 0.95 / α_w 0.95 (200mm air gap)

For complete test reports please contact your local distributor



Frequency	α_S 12mm	α_S 24mm
100	0.62	0.39
125	0.69	0.38
160	0.71	0.55
200	0.91	0.76
250	0.92	0.80
315	0.87	0.94
400	1.08	1.02
500	0.96	1.05
630	0.84	1.04
800	0.74	0.95
1000	0.76	0.86
1250	0.88	0.99
1600	0.84	1.00
2000	0.79	0.94
2500	0.76	0.90
3150	0.79	0.89
4000	0.74	0.88
5000	0.76	0.85
NRC	0.85	0.95



CERTIFICATIONS + STANDARDS

- Environmental Product Declaration
- Declare Red List Free
- Cradle to Cradle Bronze
- Environmental Management System ISO 14001:2015
- Low VOC

ENERGY + EMISSIONS

- Embodied carbon: 1.05~1.66kg CO2eq per kg
- Production facility uses 30% renewable energy

WATER + CHEMICALS

- No water is used in production of Ecoustic® SC
- Ecoustic® SC does not contain any Banned List chemicals
- Third-party certifications assess chemical safety to 99% of material weight

CIRCULARITY + LIFECYCLE

- Ecoustic® SC is a pure Technical Nutrient in the circular economy
- Ecoustic® SC contains 60% post-consumer recycled PET
- Ecoustic® SC can be accepted for takeback as part of our REVIVE® Product Stewardship Scheme

LAND USE + BIODIVERSITY

- Impacts on land and biodiversity such as resource use, output flows + waste, acidification + eutrophication are quantified in the product's Lifecycle Assessment (LCA) available in the EPD

SOCIAL IMPACT

- OHS Management System ISO 45001
- Supplier has an established human rights policy + audit management process
- Supply chain Code of Conduct in place
- Cradle-to-Cradle certification requires a risk assessment be completed to address potential health, safety + human rights risks

BUILDING RATING SYSTEMS

Ecoustic® SC will contribute the following points for Green Star, LEED + WELL building standards:

Criteria	Green Star	LEED	WELL
Recycled Content	√	√	NA
Low VOC	√	√	√
Stewardship Program	√	√	NA
EPD	√	√	NA
Cradle to Cradle Bronze	√	√	√
Declare Label	√	√	√
Manufacturer EMS	√	NA	NA
Toxic Material Reduction	NA	NA	√

GREEN STAR

- Indoor Pollutants/Low VOC (12)
- Recycled Content Product (21.1 B)
- Environmental Product Declarations (21.1 C)
- Third Party Certification (21.1 D)
- Product Stewardship Program (21.1 E)

LEED

- Low Emitting Materials / Low VOC (EQ credit)
- Recycled Content (MR credit)
- Environmental Product Declarations (MR credit)
- Material Ingredient Reporting (MR credit)
- Extended Producer Responsibility (MR credit)

WELL

- Enhanced Material Restrictions (X05)
- Air Quality/VOC Restrictions (A01 + X06)
- Materials Transparency (X07)
- Materials Optimisation (X08)

