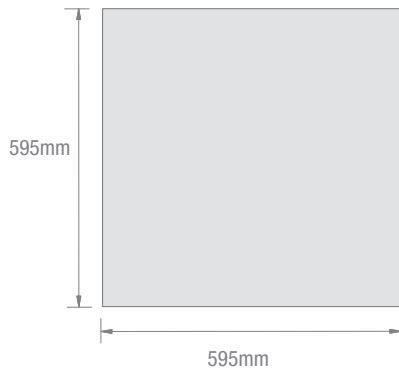# Ecoustic® Ceiling Flats

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Highly functional, decorative ceiling tiles
for new and existing grid systems
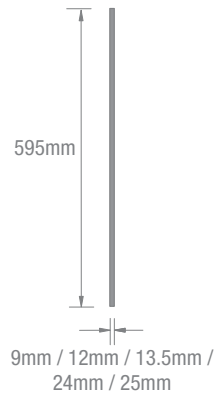
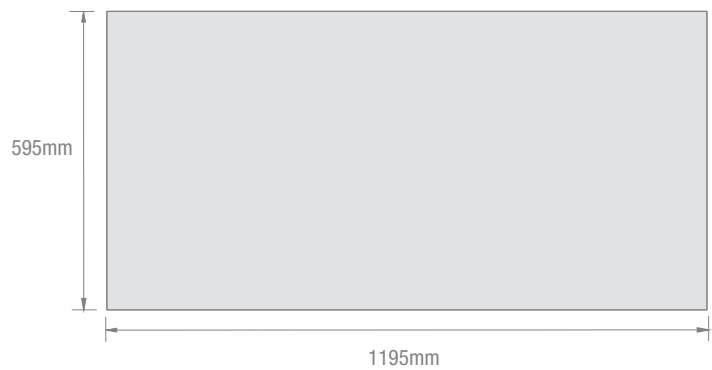**Front View**
600 Tile: 595 x 595mm

Side View

Front View
1200 Tile: 1195 x 595mm

595mm

595mm

595mm

595mm

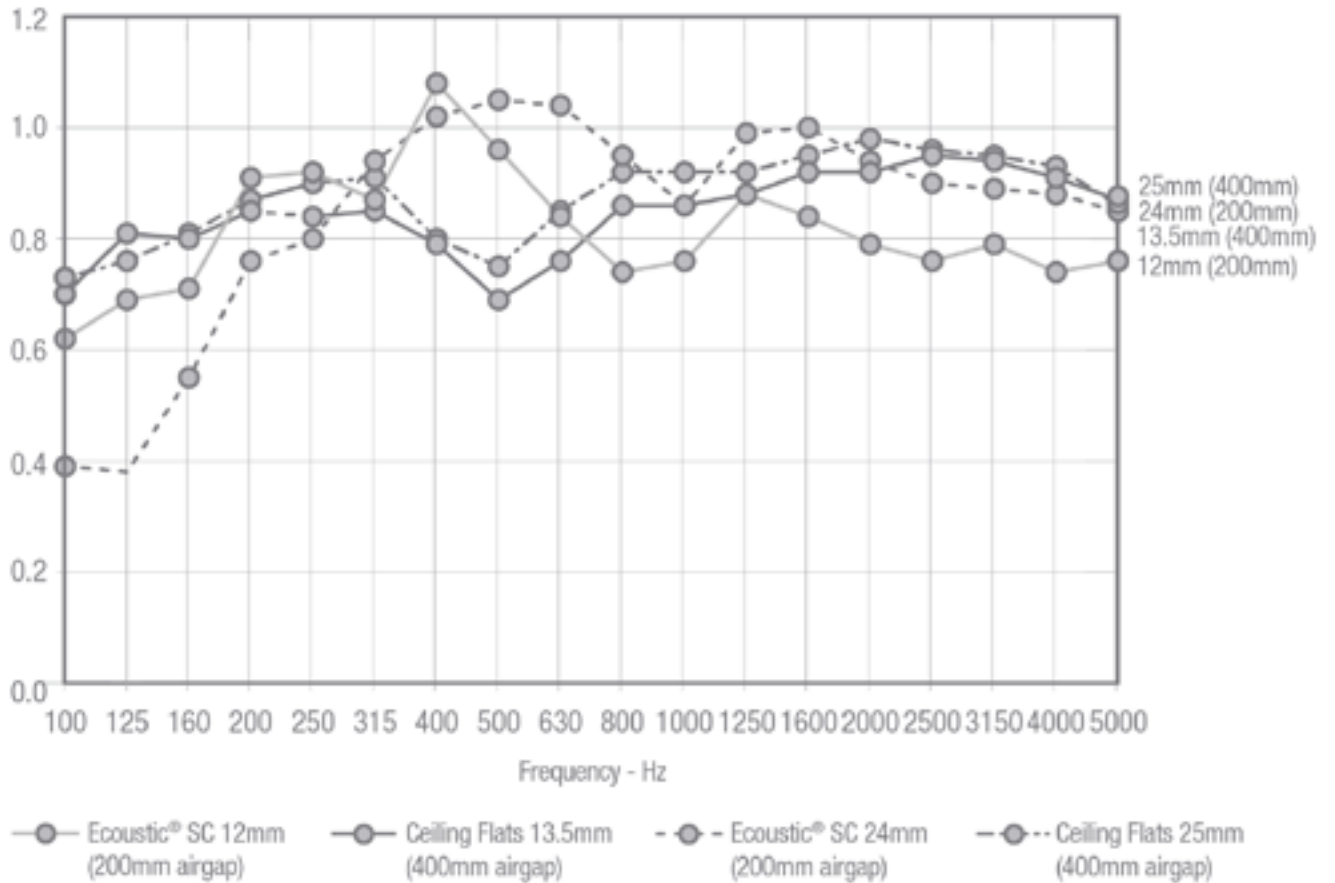9mm / 12mm / 13.5mm /
24mm / 25mm

1195mm

PRODUCT	Ecoustic® Ceiling Flats
DESCRIPTION	Highly functional, decorative ceiling tiles designed to fit into new and existing grid systems, available in various sound-absorbing thicknesses
COMPOSITION	100% PET (12mm, 24mm: 60% recycled PET; 13.5mm, 25mm: up to 60% recycled PET)
DIMENSIONS	600 Tile: 595mm (w) x 595mm (h) 1200 Tile: 1195mm (w) x 595mm (h) Drops into new or existing T-Frame suspended ceiling systems with a nominal 600 x 600mm or 1200 x 600mm grid
THICKNESS	Available in four thicknesses: 12mm, 13.5mm, 24mm and 25mm
ACOUSTIC	SC 12mm: NRC 0.85 (200mm airgap) Felt 13.5mm: NRC 0.85 (400mm airgap) SC 24mm: NRC 0.95 (200mm airgap) Felt 25mm: NRC 0.9 (400mm airgap) Refer to acoustic graph on next page

FIRE TEST AS/ISO 9705	Group 1 SMOGRA <100
APPLICATION	Drop-in ceiling tiles
WARRANTY	A 12 month warranty is provided against manufacturing defects. This applies to internal installation only, outdoor use will void any warranty

HOW TO SPECIFY	
PRODUCT	Ecoustic® Ceiling Flats
TILE SIZE	600 Tile or 1200 Tile
THICKNESS	12mm, 13.5mm, 24mm or 25mm
COLOUR	Select from relevant colours for nominated thickness: Ecoustic® Felt or SC

Please contact your representative for CAD drawings

Ecoustic® Ceiling Flats 12mm	NRC 0.85 / αw 0.8 (200mm airgap)
Ecoustic® Ceiling Flats 13.5mm	NRC 0.85 / αw 0.85 (400mm airgap)
Ecoustic® Ceiling Flats 24mm	NRC 0.95 / αw 0.95 (200mm airgap)
Ecoustic® Ceiling Flats 25mm	NRC 0.90 / αw 0.90 (400mm airgap)

Legend:
— Ecoustic® SC 12mm (200mm airgap)
— Ceiling Flats 13.5mm (400mm airgap)
– Ecoustic® SC 24mm (200mm airgap)
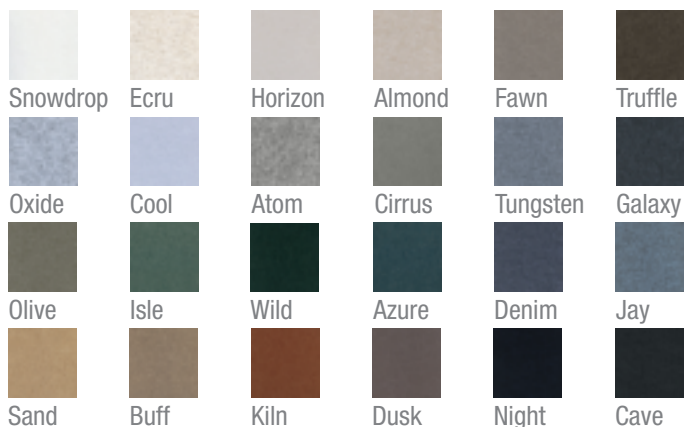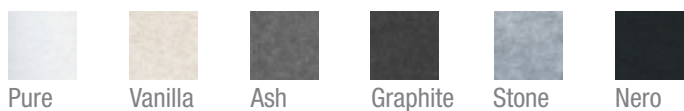— Ceiling Flats 25mm (400mm airgap)
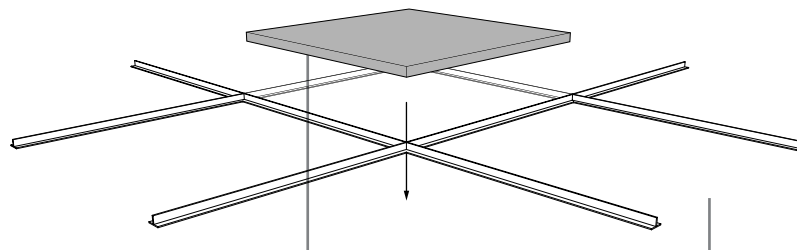
Ecoustic® Ceiling Flats (per box in a single colour)
12 + 13.5mm: 16 x 600 Tiles / 8 x 1200 Tiles
24 + 25mm: 8 x 600 Tiles / 4 x 1200 Tiles

Drop Ceiling Frame
15mm + 24mm Exposed Tee grid system
[Not supplied]

Ecoustic® SC 12mm

Snowdrop	Ecru	Horizon	Almond	Fawn	Truffle
Oxide	Cool	Atom	Cirrus	Tungsten	Galaxy
Olive	Isle	Wild	Azure	Denim	Jay
Sand	Buff	Kiln	Dusk	Night	Cave

Ecoustic® SC 24mm

Pure	Vanilla	Ash	Graphite	Stone	Nero

Ecoustic® Panel 13.5mm + 25mm

White	Cream	Natural	Oatmeal	Quartz	Taupe
Opal	Dove	Oyster	Lunar	Light Grey	Pewter
Spray	Sky	Arctic	Baltic	Cobalt	Nautical
Green	Field	Caper	Aqua	Hunter	Indigo
Fresco	Lime	Yellow	Mica	Sepia	
Cameo	Aubergine	Red	Berry	Orange	Paprika
Vault	Charcoal	Jet			

IMPORTANT

Drop Ceiling Specification: Ecoustic® Ceiling Flats are designed to be compatible with 15mm and 24mm Exposed Tee grid systems. Ensure the tile is suitable for your selected system prior to ordering.

Moisture Absorption: After four days at 50ºC, 95% RH the moisture absorbency of SC 12mm and SC 24mm was less than 0.3% and 2.9% by weight respectively. Ecoustic® Felt 13.5mm + 25mm: Exposure to an atmosphere of 50% and 95% RH for four days provides moisture absorption of less than 0.2% per volume. As Ecoustic® Ceiling Flats is 100% polyester, it will not degrade over time due to moisture, mildew or rot in office environments.

Fixtures: Any fixtures must be supported independent to the Ecoustic® Ceiling Flats tile. The tiles can be cut on site to accommodate for new and existing lighting and fixtures. When cutting use a new blade for each cut and ensure the area to be cut is fully supported throughout. Cut from the tile face with care.

HVAC: Ensure Ecoustic® Ceiling Flats are compliant with the specified HVAC system. Ecoustic® Ceiling Flats are recommended for Ducted Return Air and is not Plenum Return Air rated.

Back Loading: Ecoustic® Ceiling Flats are not suitable for back loading. Loads must be supported independently by the grid or through the use of additional fixtures.

Toxicity: Polyester is non-toxic and is classed the same as wood under the State of New York Article 15 Part 1120. Ecoustic® Ceiling Flats do not contain any Red List Chemicals (USA EPA).

CERTIFICATIONS + STANDARDS
- Environmental Product Declaration (SC Panel)
- Declare Red List Free
- Cradle to Cradle Bronze (SC Panel)
- Greentag Level A (Felt 13.5 + 25mm)
- Environmental Management System ISO 14001:2015 (SC Panel)
- Low VOC

ENERGY + EMISSIONS
- Embodied carbon: 3.7~6.5kg CO2eq per kg

WATER + CHEMICALS
- No water is used in production of Ecoustic® Ceiling Flats
- Ecoustic® Ceiling Flats do not contain Banned List chemicals
- Third-party certifications assess chemical safety to 99% of material weight

CIRCULARITY + LIFECYCLE
- Ecoustic® Ceiling Flats are a pure Technical Nutrient in the circular economy
- Ecoustic® Ceiling Flats contain up to 60% post-consumer recycled PET
- Ecoustic® Ceiling Flats are designed for disassembly + reuse, Instyle's drop-in system allows for adhesive-free installation + easy material separation at end of product lifecycle
- Ecoustic® Ceiling Flats 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
- Suppliers have Management System ISO 45001 or established human rights policy + audit management process
- Supply chain Code of Conduct in place
- Third-party certifications require suppliers comply with relevant social and environmental legislative + legal suirements, including ILO conventions, and that a risk assessment be completed to address potential health, safety + human rights risks

BUILDING RATING SYSTEMS
Ecoustic® Ceiling Flats 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 (SC Panel)	√	√	NA
Cradle to Cradle Bronze (SC Panel)	√	√	√
Declare Label	√	√	√
Greentag Level A (Felt 13.5 + 25mm)	√	√	√
Manufacturer EMS (SC Panel)	√	NA	NA
Toxic Material Reduction	NA	NA	√
Sound Reducing Surfaces	NA	NA	√

GREEN STAR
- Indoor Pollutants/Low VOC (12)
- 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)
- Sound Reducing Surfaces (S05)