

PET ACOUSTIC CEILING PANEL

Quiet Overhead, Comfort Below.



BAR | RESTAURANT | KAFÉ | OUTDOOR

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In a busy dining room, the ceiling is where noise collects. Voices and cutlery reflect off hard overhead surfaces and return as reverberation, and the room becomes louder than anyone intended.

PET Acoustic Ceiling Panels intercept that noise before it comes back down. Suspended as baffles or clouds, dropped into a T-grid or thermoformed into a feature, they bring absorption to the one plane of a room that is almost always hard, reflective and otherwise unused — dining halls, bars, atriums and open-plan restaurant floors.

Ceilings work with walls. Specified alongside BAREKA's Wall Solutions, flooring and outdoor elements, they form part of the Restaurant-in-a-Box Total Solution.

Absorbs from Both Sides, The Plenum Advantage.

A panel fixed flat to a ceiling works on one face. Suspended with an air gap behind it, the same panel works on two faces and absorption rises from NRC 0.40 to as high as 0.90.

Acoustic

- Suspended baffles and clouds absorb on both faces
- Direct ceiling fix — NRC 0.40 to 0.45
- Suspended with air plenum — NRC 0.80 to 0.90
- Traps upward voice chatter and cutlery clatter

Hygiene

- Does not absorb kitchen oils, water vapour or food odours
- Resists yellowing, sagging and mould growth
- Non-shedding and dust-free overhead
- No organic content — not a food source for termites or wood-borers

Structure

- Under 9-12mm for suspended clouds
- Minimal load on soffits, suspension wires and ceiling grids

Integration

- Slotted baffle arrays accommodate linear LED tracks
- CNC-cut panels take pendant drops, HVAC diffusers and fire sprinklers
- Services run between slotted gaps without additional framing





SYSTEMS.

Four Ways to Fit a Ceiling. One Material, Four Systems.

The same felt works across four mounting systems, so acoustic treatment can follow the architecture rather than impose on it.

Suspended Vertical Baffles

Linear fins hung on edge. Highest absorption per square metre, and services pass freely between them.

Floating Horizontal Clouds

Panels suspended flat below the structural soffit. Defines zones within an open-plan floor without building walls.

Drop-in T-Grid Tiles

600 × 600 mm tiles for standard suspended grid systems. Direct replacement for mineral fibre tile.

3D Thermoformed Features

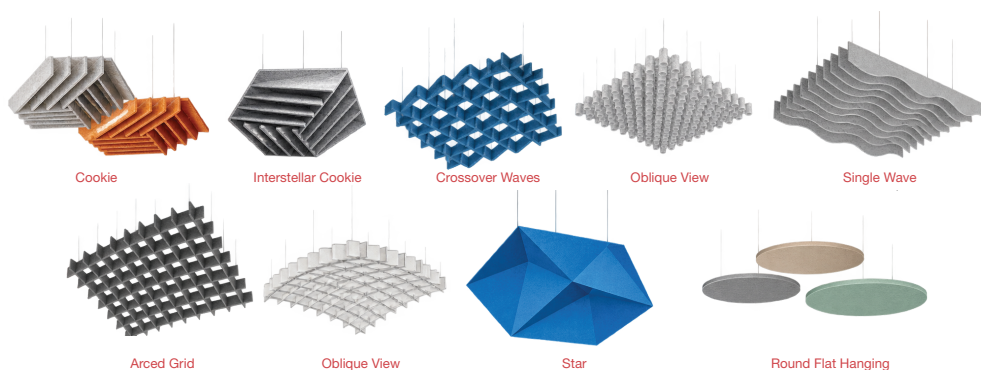
Moulded three-dimensional modules for feature ceilings and bespoke overhead statements.

STANDARD CEILING DESIGNS.

Shapes Held in Stock.

Custom shapes and sizes are CNC-cut to order.

Design	Sizes
Cookie	Ø600 mm Ø1000 mm
Interstellar Cookie	Ø600 mm Ø1000 mm
Single Wave	1200 × 200 mm 2400 × 400 mm
Crossover Wave Grid	2400 × 2400 mm
Arced Grid	2400 × 2400 mm
Star	Ø600 mm Ø950 mm
Round Flat Hanging	Ø600 mm Ø800 mm Ø1200 mm



COLOUR OPTIONS.

48 Shades. One Material.

The range runs from quiet neutrals to saturated brights, so a ceiling can recede overhead or become the feature the room is designed around.

Size: 1200mm / 1000mm / 800mm / 600mm (Customisable)

Thickness : 12mm



TECHNICAL SPECIFICATION.
Specified for Public Dining Spaces.

Parameter	Specification
Material	100% PET (polyethylene terephthalate), thermally bonded synthetic fibre
Recycled content	60–100% post-consumer recycled plastic bottles
Sheet size	1220 × 2440 mm
Baffle size	1200 × 300 mm
Grid tile size	600 × 600 mm
Thickness & weight	9 mm — 1.3–1.5 kg/m ² 12 mm — 1.9–2.3 kg/m ² 24 mm — 3.5 kg/m ²
Sound absorption — direct ceiling fix	NRC 0.40–0.45
Sound absorption — suspended with air plenum	NRC 0.80–0.90
Water & odour	Hydrophobic, non-hygroscopic. Resists water droplets, kitchen humidity and cooking grease odours. Resists sagging, mould and rot
Fire rating	Class B1. Tested to ASTM E84 (Class A) and EN 13501-1. Flame-retardant, self-extinguishing
Pest resistance	Zero cellulose or wood content — not a food source for termites or wood-borers

Note on acoustic performance

NRC depends entirely on how the panel is mounted. Fixed directly to the ceiling, it delivers NRC 0.40–0.45.
Suspended with an air plenum behind it, absorption rises to NRC 0.80–0.90.

CONTACTS



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