THE ACOUSTICS COMPANY

# REVERB™

## High-Performance Glass Wool Acoustic Panel

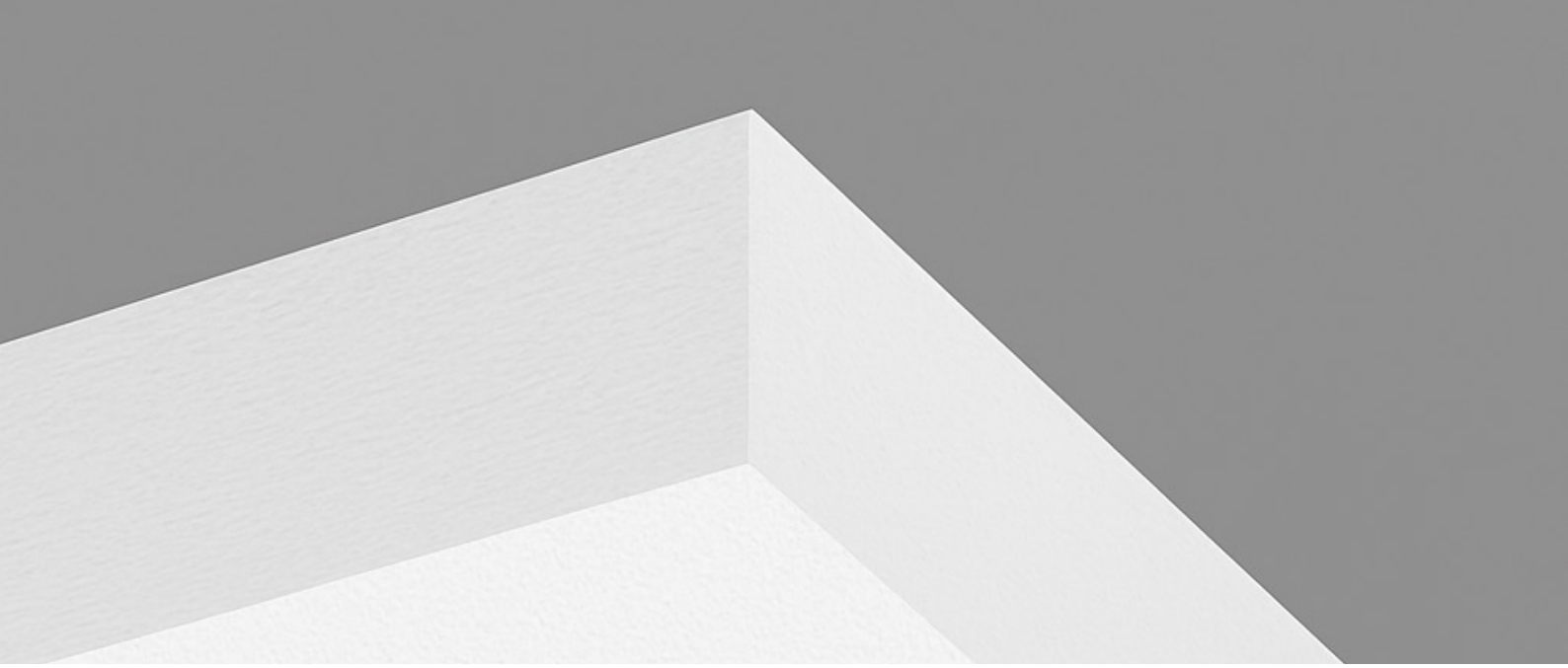
# PRODUCT INFO

Reverb™ is a high-performance acoustic ceiling panel manufactured from 40mm, 120 kg/m³ glass wool containing 54% recycled glass fibre. The panel delivers Class-A sound absorption, making it ideal for offices, educational facilities, hospitality, studios, retail environments, and public buildings.

Reverb™ offers a clean architectural visual and is available in standard modular formats or made-to-order sizes for larger projects (12+ week lead time for custom production)

**KEY FEATURES**

- Class-A acoustic performance (NRC 0.90 / aw 0.95)
- Manufactured using 54% recycled glass fibre
- High-density 120 kg/m³ core for maximum absorption
- Low-VOC and very low formaldehyde (E1 classification)
- Excellent fire performance (Class B-s1,d0)
- Hygienic and mould-resistant
- Custom sizes available (12+ week lead time)
- Colours available for larger project volumes
- Lightweight and easy to install



| PRODUCT | ARTICLE | DIMENSION | THICKNESS |
|---|---|---|---|
| Reverb Panel | 04WTREV-001 | 2400×1200 / 1800×1200 / 1200×1200<br>1200×600/ Ø800 / Ø1000 / Ø1200<br>+ Custom | 40mm |

# MATERIAL INFORMATION

| | |
|---|---|
| **COMPOSITION:** | 40mm high-density glass wool<br>Manufactured with 54% recycled glass fibre content |
| **FIRE RATING CORE:** | Class B-s1,d0 (EN 13501-1)<br>Low smoke, No flaming droplets |
| **DENSITY:** | 120kg/m³ |
| **INDOOR AIR QUALITY:** | **Formaldehyde:** 0.1 mg/L — **E1 classification**<br>**TVOC:** <0.01 mg/m³<br>**Benzene:** Not detected<br>**Toluene:** 0.02 mg/m³<br>**Xylene:** Not detected |
| **RADIONUCLIDE SAFETY:** | **Radium equivalent activity (Ra-eq):** < 370 Bq/kg<br>**Internal hazard index:** < 1<br>**External hazard index:** < 1 |
| **FINISHES:** | **Supplied in White**<br>Other finishes available subject to MOQ and extended lead times<br>Colours available for larger custom projects (12+ week lead time)<br>Custom panel sizes available (12+ week min. lead time) |
| **TOLERANCES:** | Thickness: ±1–2mm<br>Length/Width: ±3–5mm |

*Our Reverb panels have a Thickness Tolerance of ±3 mm and a Length & Width Tolerance of ±5 mm

# INSTALLATION

The Acoustics Company cater for all project budgets and have multiple fixing methods.

Reverb ceiling rafts can be installed using the following method:

**SPIRAL RAFT FIXINGS**

# FINISHES

The selection has different textures and colours that would compliment any interior space and concept. See finishes on the following links:

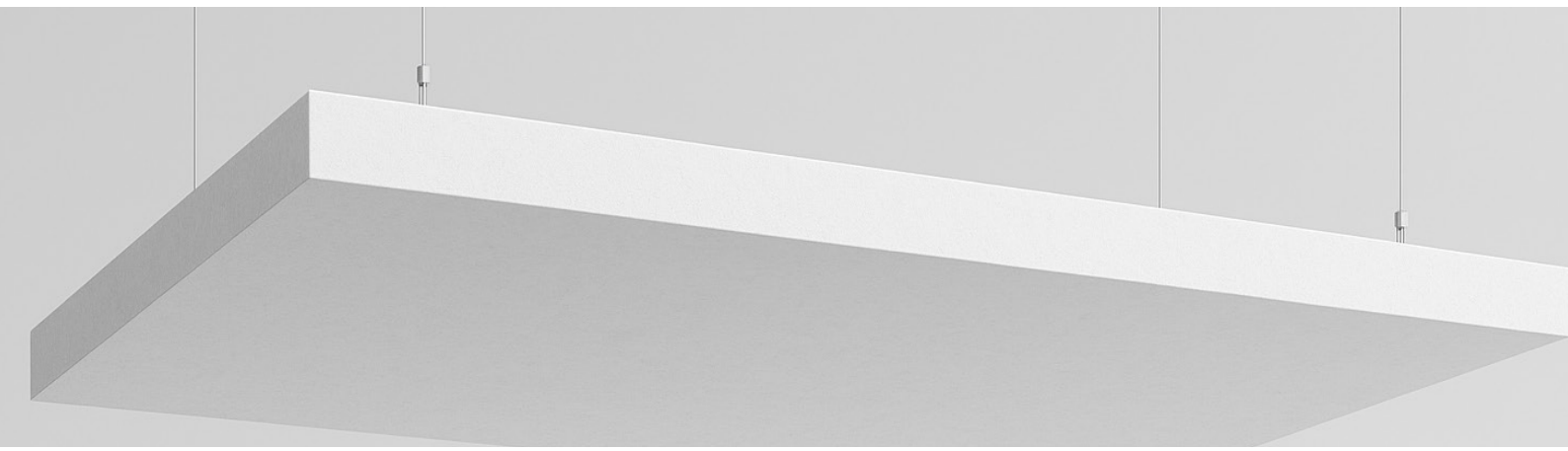
**Finishes**
Scan the code or visit
www.acousticscompany.com/finishes

**Catalogue**
Scan the code or visit
https://acousticpanels.co.uk/wp-content/uploads/2025/10/PRODUCT-BROCHURE-2025.pdf

## DESIGN TIPS

**These are just some design tips you can do in order to maximise the full potential of our Reverb products:**

1. Use Reverb™ to control reverberation in meeting rooms, classrooms, atriums, breakout spaces, and open offices.
2. Combine vceiling installation for maximum performance.
3. Blend or contrast panels visually depending on interior design goals.
4. Use larger panels for clean, minimal architectural surfaces.



# ACOUSTIC PERFORMANCE

The acoustic performance of materials refers to their ability to absorb, reflect, or transmit sound waves. This concept is crucial in architecture, interior design, and engineering, as it determines how sound behaves in a space. Materials with good acoustic performance can reduce noise levels, improve speech intelligibility, and create more comfortable and functional environments by controlling reverberation and sound transmission.

### TESTING STANDARDS

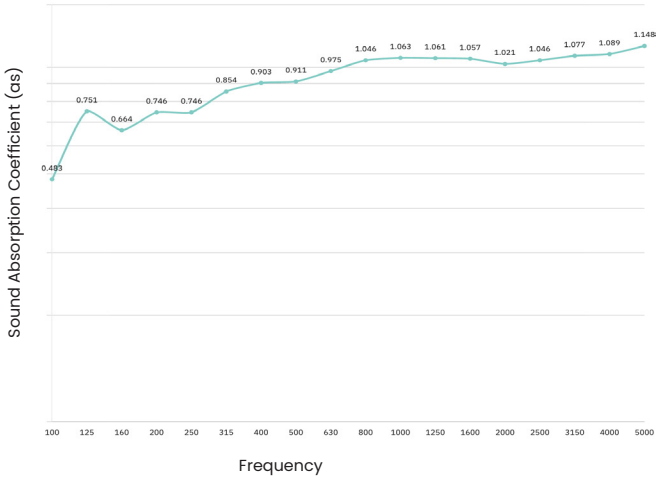
(Values extracted from certified test results.)

| | |
|---|---|
| **ISO 354** | Measurement of sound absorption in a reverberation room |
| **ISO 11654** | Sound absorbers for use in buildings — Rating of sound absorption |
| **ASTM C423** | Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method |
| **ACOUSTICS:** | Sound absorbers for use in buildings — Rating of sound absorption |

| ACOUSTICALLY TESTED | aw | NRC | CLASS |
|---|---|---|---|
| 40mm GLASS WOOL (DIRECT FIX) | 0.95 | 0.90 | A |

For aw, it is strongly recommended to use this single-number rating in combination with the complete sound absorption curve that can be obtained on request.

| FREQUENCY (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|---|---|---|---|---|---|---|
| Absorption ($\alpha_i$) | 0.25 | 0.60 | 0.90 | 0.95 | 0.95 | 1.00 |



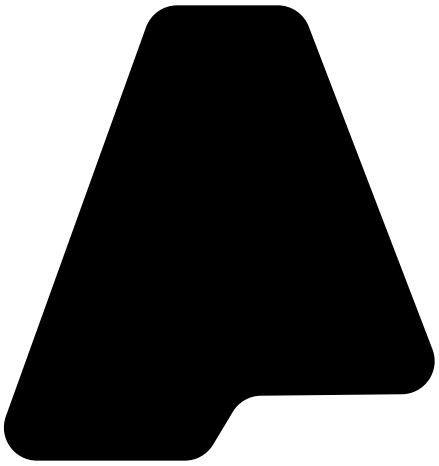

Weighted Sound Absorption Coefficient (aw) - Measured in accordance with ISO 11654. Practical sound absorption coefficient ap values at given standard frequencies are compared with reference curve aw.

Noise Reduction Coefficient (NRC) - The mean average as value at frequencies 250, 500, 1000 and 2000 Hz.

Absorption Class – Levels of comparison of absorption values against a reference curve with A as highest and E as lowest. Measured in accordance with ISO 11654.

Practical Sound Absorption Coefficient (ap) - The average of the three as values centered on the 1/3 octave band center frequency, measured in accordance with EN ISO 354.

*Note: The sound absorption values provided in this product sheet are subject to change without prior notice from The Acoustics Company. For the most current and accurate technical specifications, please contact our Sales Team directly.*



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