

Acoustic



Istanbul Airport, Turkey © Büşra Yeltekin

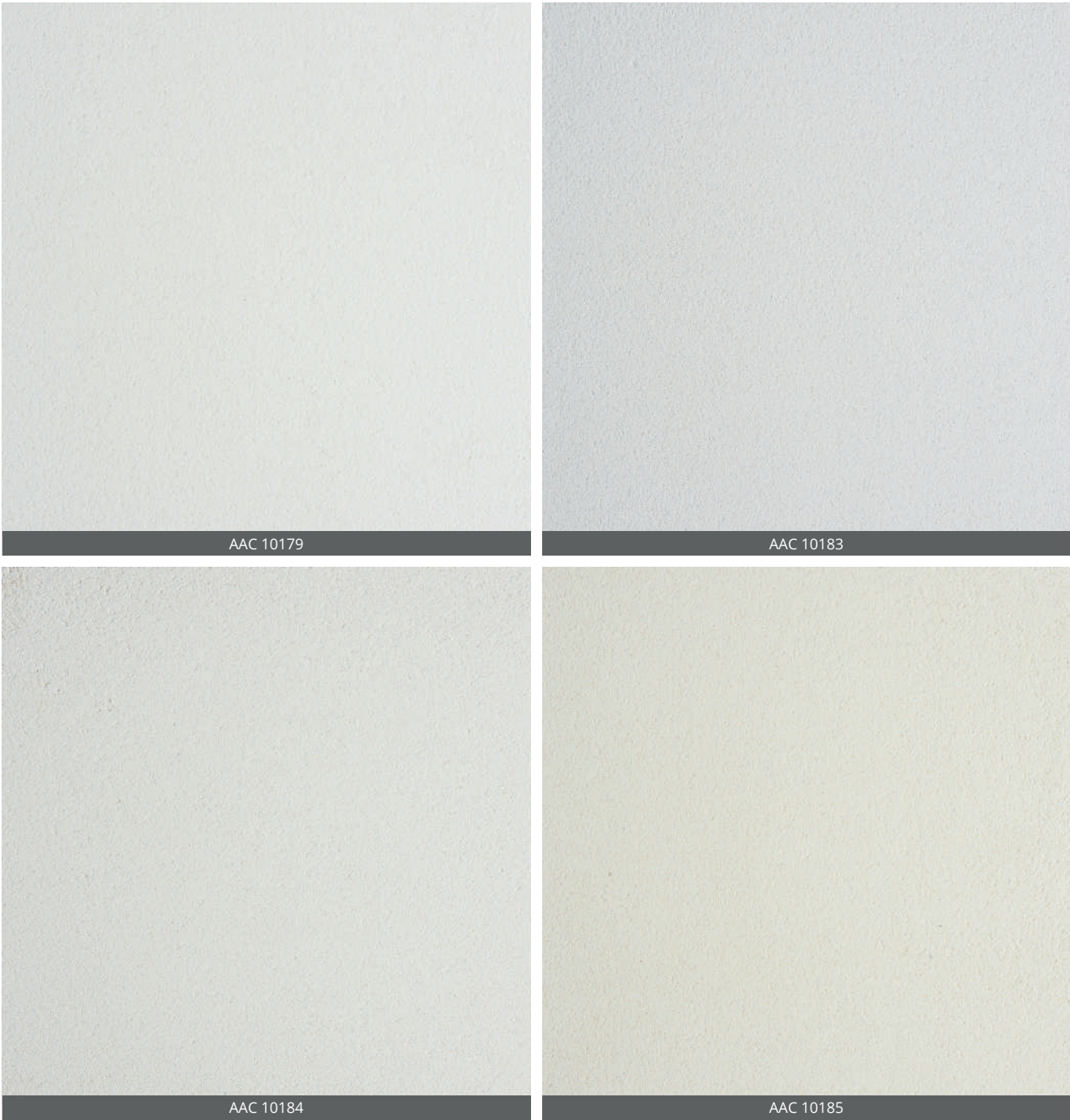
Our primary instinct is to judge interior architecture purely in visual terms, but equally important to how we perceive a space is the aural landscape. Effective acoustic management will make a space feel calmer and more relaxing.

The Armourcoat Acoustic® Plaster System is designed to optimize the acoustics of interior spaces. From large concert halls to restaurants, hotel receptions, offices and private residences the specification of hard sound reflective surfaces such as glass and stone can lead to unpleasant noise levels and reverberation. The correct control of sound and reverberation creates a more pleasant and calm environment. The Armourcoat Acoustic® Plaster System offers a clean flat and smooth mineral surface that can be applied seamlessly over large expanses to both flat and curved surfaces.



Minster Building, London. ©Jonathan Banks

Acoustic Colour Palette



Colours illustrated are for guidance only. Due to print limitations the exact colours and shades may vary from those shown. Please request a sample for accurate representation.

For further information and the location of your nearest Armourcoat Surface Finishes agent, please visit our website.

Armourcoat Limited | Morewood Close | Sevenoaks | Kent | TN13 2HU | United Kingdom
Telephone: +44 (0)1732 460668 | Fax: +44 (0)1732 450930 | Email: specsales@armourcoat.co.uk

Armourcoat Surface Finishes Inc | 4330 Production Court | Las Vegas | NV 89115 | USA
Telephone: (702) 644-0601 | Fax: (702) 644-0554 | Email: sales@usa.armourcoat.com

www.armourcoat.com

©2021 Armourcoat Limited. Armourcoat Acoustic is a product and trademark of Armourcoat Ltd.

ACTB0317

Armourcoat Acoustic® - Creating a Calm and Inviting Environment

The Armourcoat Acoustic® Plaster System comprises of a special mineral wool composite panel that is bonded onto the substrate and finished with a seamless layer of the Armourcoat Acoustic plaster.

Armourcoat have created an elegant marble based plaster finish that appears smooth and even but still allows sound energy to pass through the surface. This enables sound to be absorbed and attenuated in the layer of mineral wool beneath.

The Armourcoat Acoustic® Plaster System can be pigmented to a range of standard and custom colours.

- Natural mineral system
- Mineral wool panels with 75% recycled content *
- Basecoat made from expanded glass with 90% recycled content*
- Acoustic topcoat plaster made from 80% recycled marble **
- Contains no VOCs
- Factory prepared base panels ready for immediate installation
- Seamless finish with exceptional acoustic performance
- Resistant to bacteria, mould and mildew
- Noise Reduction Coefficient (NRC) rating Class A-B
- Fire rating Class 0 BS 476 part 6&7
- Up to 250m² in a continuous surface without joints
- 4 standard colours available. Other colours on request

* post-consumer ** pre-consumer



Minster Building, London. ©Jonathan Banks

Excellent environmental performance

Armourcoat Acoustic® panels are made in the UK to exacting quality standards -and are ready for immediate installation. The mineral wool panels incorporate 70% recycled content, with the basecoat made from expanded glass with 85% recycled content, and the topcoat plaster made from 80% recycled marble. The system contains no VOCs and is resistant to bacteria, mould and mildew.

Excellent thermal performance

Armourcoat Acoustic® mineral wool panels have a lambda value of 0.032 W/mK, to provide excellent thermal performance and reduce heat loss through the building envelope. The product meets the requirements under Part L Thermal Building Regulations 2010 (England & Wales) and Section 6 (Scotland).

Quiet Mark Award

The Armourcoat Acoustic® Plaster System was the first acoustic plaster system to be granted the Quiet Mark Award in 2019 -the international mark of approval from the Noise Abatement Society Charitable Foundation. Quiet Mark is the international award programme and system of support for brands and consumers. Through its pioneering acoustic tests, the organisation awards its distinctive Purple Q Mark to products and services that show excellence in low-noise and high-performance.

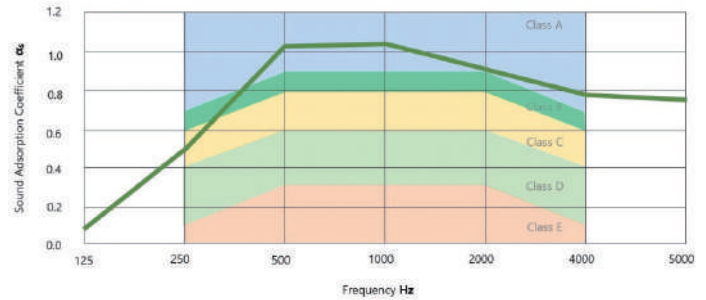
Exceptional Acoustic Performance

Independent tests were carried out in the UK on the Armourcoat Acoustic® Plaster System to determine the Sound Absorption Coefficient (αs), conducted in accordance with European Standard EN ISO 354. Single figure ratings of sound absorption performance, known as the Weighted Sound Absorption Coefficient (αw), Sound Absorption Class, Sound Absorption Average (SAA) and Noise Reduction Coefficient (NRC) are derived from these measurements in accordance with European Standard

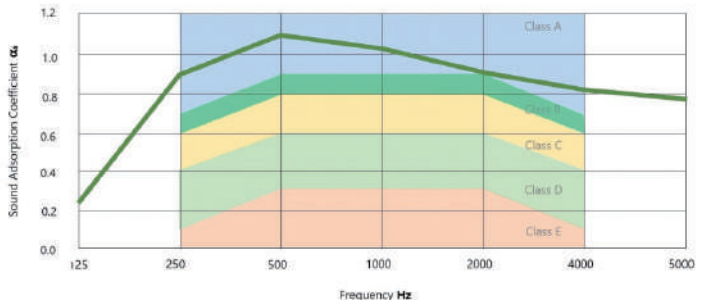
EN ISO 11654 and American Standard ASTM C423-17. Tests were carried out by the AIRO Acoustics Laboratory, a UKAS accredited testing laboratory No. 0483, on 18th December 2019 and 22nd April 2020. The Armourcoat Acoustic® Plaster System achieved BS EN ISO 354:2003 Weighted Sound Absorption Coefficient (αw) of 0.85, class B (28mm system) to 0.95, class A (48mm system).

| Armourcoat Acoustic® | EN ISO 354:2003 | | ASTM C423-17 | |
|----------------------|--|------------------------|--------------------------------|-----------------------------------|
| | Weighted Sound Absorption Coefficient (αw) | Sound Absorption Class | Sound Absorption Average (SAA) | Noise Reduction Coefficient (NRC) |
| 28mm system | 0.85 | B | 0.82 | 0.80 |
| 48mm system | 0.95 | A | 0.92 | 0.90 |

28mm System with AP335 - Sound Absorption Coefficient - Sound Absorption Coefficient according to EN ISO 354:2003



48mm System with AP335 - Sound Absorption Coefficient - Sound Absorption Coefficient according to EN ISO 354:2003



Minster Building, London. ©Jonathan Banks