

Bioguard Acoustic

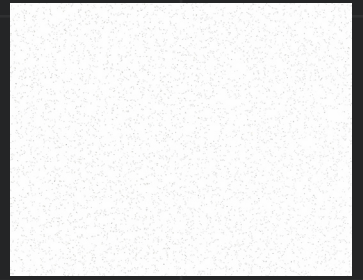
Armstrong®
CEILING SOLUTIONS

Benefits

- Anti-microbial performance provides protection against bio-contamination
- ISO 3 Clean Room Performance
- Durable, Washable, Smooth surface
- Total Acoustics Performance (NRC+CAC)
 - High sound absorption for reduced reverberation and quieter spaces
 - High sound attenuation, improving room to room privacy
- High light reflective finish
- RH99 Humidity resistant
- Sustainable Contribution
 - Global GreenTag^{CERT™} GreenRate[™] Level A Certified for Green Star[™]

Application Areas

- Healthcare
 - Pharmaceutical Manufacturing
 - Food and Electrical Manufacturing
 - Laboratories, PC1 and PC2 Certified Facilities
- Education (Science Labs)
- Data centres / computer rooms



19 SEPTEMBER 2024

BIOGUARD ACOUSTIC



BIOGUARD Acoustic Board with Clean Room Aluminium Grid

Bioguard Acoustic



ISO 3 Clean Room ISO 14644-1



Cleanable to EN ISO 2812-3:2012 and EN 12720:20



Hygiene / Anti-microbial



Resistance to Disinfectants



Scratch Resistant



Soil Resistant to DIN 18177



RH99 Humidity Resistant



Product Handling Durability



Recycled Content EN ISO 14021



Light Reflectance



Acoustical Comfort

Panel Options	BOARD	TEGULAR 24	TEGULAR 15/90	K2C2 EDGE
600 x 600 x 19mm	Prelude™ 24mm Grid 5186	Prelude 24mm Grid 5188	Suprafine™ 15mm Grid 5190	One Way / Modular Grid -
1200 x 600 x 19mm	5187	5189	5191	*

- Not available

* Special items and other sizes available upon request



NRC: 0.70



CAC 40



Sealed edge for clean room performance
Clean Room Classification: ISO 3
Suitable for PC1 and PC2 facilities



RH99% at 0°C - 49°C



Conforms with NCC Spec. C1.10 as tested to AS 5637.1:2015 - Group 1, and ISO 5660 - Group 1 - S



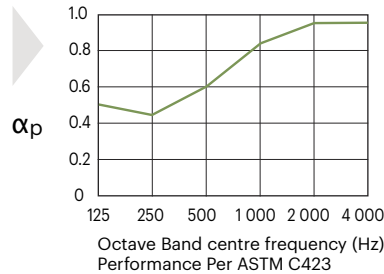
Air permeability
PM1 ($\leq 30 \text{ m}^3/\text{hm}^2$) as per DIN 18177



Thermal Insulation (R- Value)
0.35 $\text{m}^2\text{K/W}$



5 kg/m^2



TOTAL ACOUSTICS

• NRC = 0.70

Material

Wet-formed mineral fibre with durable acoustically transparent membrane.

Surface Finish

Factory-applied vinyl paint. Edges are paint sealed for improved clean room performance.

Anti-microbial Performance

Tested to NF S 90-351:2013 for resistance to a wide range of bacteria & fungi: mould and yeast, including:

- Escherichia coli
- Staphylococcus aureus MRSA
- Bacillus cereus
- Streptococcus pneumoniae
- Acinobacter baumannii
- Klebsiella pneumoniae
- Candida albicans
- Aspergillus brasiliensis.

Backloading Recommendation

Contact your local Armstrong Ceilings representative

Suspension Systems

'Blue Tongue' Aluminium Clean Room Flat Faced Tee Grid & PeakForm CE and Prelude Steel 24mm Tee above. Other 'Blue Tongue' Aluminium options upon request.



Green Star® Interiors 1.3 / Design & As Built v1.3 Potential Contribution

Indoor Environmental Quality				Materials	
Credit 9/10 ACOUSTIC COMFORT	Credit 10.2A/11.2A LIGHTING COMFORT SURFACE ILLUMINANCE	Credit 11.1B/12.1B VISUAL COMFORT: DAYLIGHT	Credit 12/13 INDOOR POLLUTANTS	Credit 21C-D/21C-D SUSTAINABLE PRODUCTS - "Level A" Third Party Certification Environmental Product Declarations	Credit 22/22 CONSTRUCTION AND DEMOLITION WASTE
✓	✓	✓	✓	✓	✓

Green Star® Buildings V1.0 Potential contribution

Responsible		Healthy		
Credit 9 RESPONSIBLE FINISHES (All products: PVR>12)	Credit 11 LIGHT QUALITY	Credit 12 ACOUSTIC COMFORT	Credit 13 EXPOSURE TO TOXINS	
✓	✓	✓	✓	✓

Contact us

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