

ACOUSTICAL INFILL PANELS

Accessories for MetalWorks™ and WoodWorks® Ceilings



WoodWorks Grille Tegular 24" × 24" panels with 2820 infill panels



MetalWorks Torsion Spring custom perforated panels

Smooth mineral fiber ceiling panel with excellent sound absorption for open plan spaces.

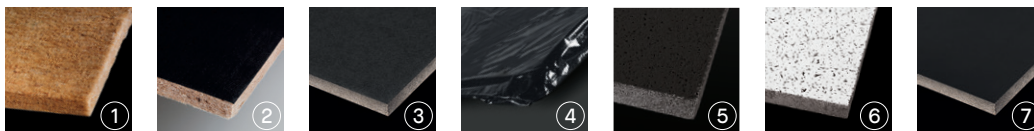
KEY SELECTION ATTRIBUTES

- Enhance design and increase sound absorption with a variety of acoustical infill options for MetalWorks™ and WoodWorks® panels
- BioAcoustic™ infill can contribute to LEED® credits (Rapidly renewable and recycled content)
- Custom-size BioAcoustic panels available; for details, contact – ASQuote@armstrongceilings.com

TYPICAL APPLICATIONS

- Office
- Education
- Healthcare
- Hospitality and retail
- Transportation

DETAILS



1. BioAcoustic Infill Panel – Beige
2. BioAcoustic Infill Panel – Black
3. Backstage Noir® Square Lay-in Panel – Black
4. 1" Fiberglass Infill Panel (in poly bag)
5. Fine Fissured™ Square Lay-in Panel – Black
6. Cortega® Square Lay-in Panel
7. Calla® Square Lay-in Panel – Black

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LEED® WELL™ LBC

UP TO **41%** RECYCLED CONTENT

For LEED contribution contact TechLine

- energy management
- construction waste mgmt
- regional materials
- design for flexibility
- EPD
- recyclable/producer resp.
- biobased materials
- recycled content
- sourcing of raw materials
- material ingredient reporting
- low emitting materials
- lighting quality
- acoustics

LOCATION DEPENDENT

WITH INFILL PANEL

ACOUSTICAL INFILL PANELS

ACOUSTICAL PERFORMANCE

Item No.	Description	Dimensions (Nominal W x L x H)	Color	Pcs/Ctn	Sound Absorption (NRC)	Sound Blocking (CAC)	Total Acoustics ¹ (NRC + CAC)
2820/2820BK	Calla® Square Lay-in Panel	24 × 24 × 1"	White or Black	10	0.85	35	BEST
2821BK	Calla Square Lay-in Panel	24 × 48 × 1"	Black	10	0.85	35	BEST
2864BK	Calla Square Lay-in Panel	24 × 72 × 1"	Black	10	0.85	35	BEST
1713/1713BL	School Zone® Fine Fissured™ Square Lay-in Panel	24 × 24 × 3/4"	White or Black	12	0.70	35	BETTER
1714	School Zone Fine Fissured Square Lay-in Panel	24 × 48 × 3/4"	White	8	0.70	40	BETTER
1318	Backstage Noir® Square Lay-in Panel	24 × 24 × 3/4"	Black	12	0.75	30	N/A
1319	Backstage Noir Square Lay-in Panel	24 × 48 × 3/4"	Black	6	0.75	30	N/A
5479	BioAcoustic™ Infill Panel	24 × 24 × 5/8"	Beige Matte	12	0.75	N/A	N/A
5823	BioAcoustic Infill Panel	24 × 24 × 5/8"	Black Matte	12	0.75	N/A	N/A
6657	BioAcoustic Infill Panel	11 × 48 × 5/8"	Black Matte	12	0.75	N/A	N/A
8200T10	Fiberglass Infill Panel	24 × 24 × 1"	Black Gloss	12	0.75	N/A	N/A
747*	Cortega® Square Lay-in Panel	24 × 48 × 5/8"	White	8	0.55	40	N/A
1728BL	Fine Fissured™ Square Lay-in Panel	24 × 24 × 5/8"	Tech Black	16	0.55	33	N/A

* Recommended for high CAC acoustical performance with MetalWorks Extra Microperforated panels.
¹ Total Acoustics™ ceiling panels have an ideal combination of sound absorption and sound blocking in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

PHYSICAL DATA

Material
 8200T10 – fiberglass
 1728BL, 747, 2820/2920BK, 2821BK, 2864BK, 1318, 1319 – wet-formed mineral fiber
 5479, 5823, 6657 – BioAcoustic

Surface Finish
 See photos on previous page for visual

Fire Performance
 For all panels (excluding 5823 and 6657) – ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. Class A.
 For 5823 and 6657 – ASTM E84 Flame Spread Index 25 or less. Smoke Developed Index 450 or less. Class A. CAN/ULC S102.2 surface burning characteristics. Flame Spread Rating of 25. Smoke Developed Classification of 50.
 1728BL, 747 – FireGuard: A fire resistive ceiling when used in applicable UL assemblies.

ASTM E1264 Classification
 8200T10 – Type XII, Form 2, Pattern E
 Fire Class A
 1728BL – Type III, Form 2, Pattern C E
 Fire Class A
 747 – Type III, Form 2, Pattern C D
 Fire Class A
 5479, 5823 – Type XX, Form 3, Pattern E
 Fire Class A
 2820/2820BK, 2821BK, 2864BK, 1318, 1319 – Type IV, Form 2, Pattern E; Fire Class A

No-Added/Low Formaldehyde
 1728BL, 747, 8200T10 – Low Formaldehyde – contributing less than 13.5 ppb in typical conditions per ASHRAE Standard 62, "Ventilation for Acceptable Indoor Air Quality," California Code Title 24, and other building types in CHPS Section 01350, 5479, 5823 – No-added formaldehyde – free of formaldehyde-based resins. Outperform CHPS Section 01350 requirements. (Independent test reports available upon request.)

Anti Mold/Mildew & Bacteria
 8200T10 – Fiberglass substrate is inherently resistant to the growth of mold, mildew and bacteria. 1728BL – BioBlock® Plus contains an anti-microbial treatment and provides guaranteed resistance against growth of mold/mildew and Gram-positive and Gram-negative odor/stain-causing bacteria for 30 years.

Insulation Value
 1728BL, 747, 5479, 5823 – R Factor – 1.6 (BTU units)
 R Factor – 0.28 (Watts units)

Weight; Square Feet/Carton
 747 – 1.09 lbs/SF; 64 SF/ctn
 1728BL – 0.70 lbs/SF; 64 SF/ctn
 8200T10 – 0.09 lbs/SF; 48 SF/ctn
 5479, 5823 – 0.22 lbs/SF; 48 SF/ctn
 2821BK – 1.0 lbs/SF; 48 SF/ctn
 2864BK – 1.0 lbs/SF; 72 SF/ctn
 2820 – 1.0 lbs/SF; 40 SF/ctn
 1318, 1319 – 1.08 lbs/SF; 48 SF/ctn