

# 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.

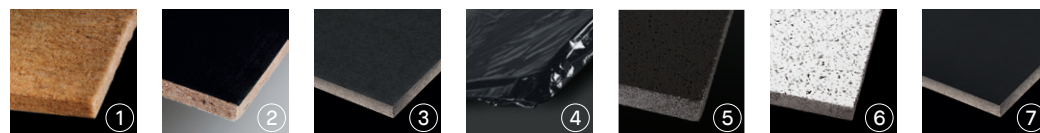
## KEY SELECTION ATTRIBUTES

- 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
- Made in the U.S.A. of domestic and global content
- Build America, Buy America (BABA) Act compliant

## 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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Accessories for MetalWorks™ and WoodWorks® Ceilings

LEED®  
WELL™ LBC

UP TO 41% RECYCLED CONTENT

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

Calculate sustainability with Ecomedes  
armstrongceilings.com/ecomedes

LOCATION DEPENDENT

WITH INFILL PANEL

## ACOUSTICAL INFILL PANELS

## ACOUSTICAL PERFORMANCE

| Item No.    | Description                                     | Dimensions<br>(Nominal W x L x H) | Color          | PCS/CTN | Sound Absorption<br>NRC | + | Sound Blocking<br>CAC | = | Total Acoustics¹<br>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, 2820/2820BK, 2821BK, 2864BK, 1318, 1319, 1713/1713BL, 1714 – 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) – Class A:  
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.

**ASTM E1264 Classification**  
2820/2820BK, 2821BK, 2864BK, 1318, 1319 – Type A Form A2.2, Pattern G; Fire Class A  
1713/1713BL, 1714, 1728BL – Type A, Form A1.2, Pattern D; Fire Class A  
5479, 5823, 6657 – Type B, Form 2, Pattern C E  
747 – Type A, Form A1.2, Pattern E; Fire Class A

**VOC Emissions**  
Compliant with California Department of Public Health CDPH/ EHLB/Standard Method Version 1.2, 2017. This standard is the guideline for low emissions in LEED®, WELL Building Standard™, Living Building Challenge® (LBC), CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

**Anti Mold/Mildew**  
8200T10 – Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria. 2820, 2820BK, 2821BK, 2864BK, 1713, 1713BL, 1714, 1318, 1319, 747, 1728BL – Ceiling panels with BioBlock® performance resist the growth of mold and mildew on the panel surface. 5479, 5823, 6657 – standard performance

**Insulation Value**  
2820/2820BK, 2821BK, 2864BK – R Factor – 2.9 (BTU units); R Factor – 0.445 (Watts units)  
1318, 1319 – R Factor – 2.2 (BTU units); R Factor – 0.39 (Watts units)  
1713/1713BL, 1714, 1728BL – R Factor – 1.5 (BTU units); R Factor – 0.26 (Watts units)  
5479, 5823, 6657 – 1.6 (BTU units); R Factor – 0.28 (Watts units)  
747 – R Factor – 1.5 (BTU units); R Factor – 0.28 (Watts units)

**Weight; Square Feet/Carion**  
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  
2820/2820BK – 1.0 LBS/SF; 40 SF/CTN  
1318, 1319 – 1.08 LBS/SF; 48 SF/CTN  
1713, 1713BL – 1.31 LBS/SF; 48 SF/CTN  
1714 – 1.38 LBS/SF; 64 SF/CTN