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.

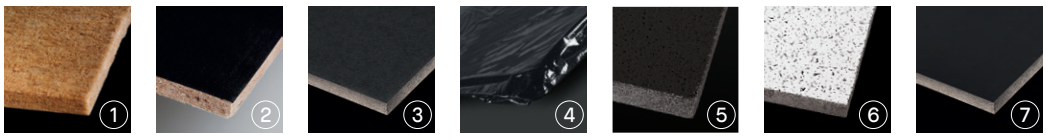
KEY SELECTION ATTRIBUTES

- 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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Armstrong® World Industries

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LEED® | WELL™ | LBC

UP TO 41% RECYCLED CONTENT

Calculate sustainability with Ecomedes
armstrongceilings.com/ecomedes

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended 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, 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/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
2820/2820BK – 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

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