



# ULTIMA® Low Embodied Carbon

Square Lay-in & Tegalur  
fine texture



**TOTAL  
ACOUSTICS®**  
Sound Absorption (NRC)  
+ Sound Blocking (CAC)



**SUSTAIN®**  
High Performance  
Sustainable  
Ceiling Systems



Ultima Low Embodied Carbon Beveled Tegalur panels with Suprafine XL 9/16" suspension system

CAD/Revit® drawings at:  
[armstrongceilings.com/cadrevit](http://armstrongceilings.com/cadrevit)

Find solutions for reducing carbon in the built environment.  
[armstrongceilings.com/carbonreduction](http://armstrongceilings.com/carbonreduction)



Help reduce the carbon footprint of the built environment with the lowest embodied carbon mineral fiber acoustical ceiling panels available\*.

## KEY SELECTION ATTRIBUTES

- Get total noise control and floor plan versatility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics performance
- Ultima® panels are part of the Sustain® portfolio, and meet the most stringent industry sustainability compliance standards today
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- Mold- and mildew-resistant surface



- Made with sustainably produced carbon sequestering biochar
- Product can be recycled through the Armstrong Ceilings Recycling Program
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- USDA-Certified Biobased Product – 100%
- Made in the U.S.A. of domestic and global content

- Build America, Buy America (BABA) Act compliant
- Non-directional visual reduces scrap and installation time
- 30-Year Limited System Warranty against visible sag

\* Per EC3 tool data available 2/1/24. Ultima Low Embodied Carbon Ceiling Panels (A1-A3) 0.187 Global Warming Potential, including biogenic carbon [kg CO<sub>2</sub> eq./ft<sup>2</sup>]

## TYPICAL APPLICATIONS

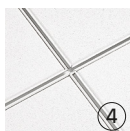
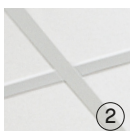
- Offices – closed spaces for privacy and confidentiality; open spaces for focus, collaboration, and teaming
- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Classrooms
- Corridors
- Lobbies/reception areas
- Department stores/retail

## COLOR



White  
(WH)

## DETAILS



1. Ultima® Low Embodied Carbon
2. Ultima® Low Embodied Carbon with Prelude® XL® 15/16" suspension system
3. Ultima® Low Embodied Carbon with Suprafine® 9/16" suspension system
4. Ultima® Low Embodied Carbon with Silhouette® XL® 9/16" suspension system with 1/4" reveal



# ULTIMA® Low Embodied Carbon

Square Lay-in & Tegular  
fine texture



Declare.

RECYCLED  
CONTENT

UP TO  
**55%**

LEED V5

Ecomedes Data

#### COMMON MATERIALS FRAMEWORK

Human Health	Declare Label	Climate Health	EPD
	HPD	Ecosystem Health	EPD
	3rd Party CDPH	Circular Economy	✓
OCCUPANT EXPERIENCE		Acoustics	✓

## VISUAL SELECTION

armstrongceilings.com/suspdwgs	Susp. Dwg.	Item No.	Dimensions (Inches)
ULTIMA® Low Embodied Carbon	1	1910LEC	24 × 24 × 3/4" □
15/16" Square Lay-in		1913LEC	24 × 48 × 3/4" □
15/16" Beveled Tegular	15	1911LEC	24 × 24 × 3/4" □
		1914LEC	24 × 48 × 3/4" □
9/16" Beveled Tegular	29, 44, 48, 52, 56	1912LEC	24 × 24 × 3/4" □
		1915LEC	24 × 48 × 3/4" □

## PERFORMANCE SELECTION

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UL Classified Acoustics		Total Acoustics <sup>1</sup>		Articulation Class	Fire Performance	Light Reflect	Bio-Block	Humi-Guard+	Certified Low VOC Emissions	CleanAssure™ Disinfectable Panels	DURABILITY					Recycle Program	30-Yr Warranty
NRC	CAC	=	NRC CAC	AC	Class		Anti-Mold/Mildew	Sag Resistant		Fog	Wash	Impact	Scratch	Soil	Recycle		
0.75	35		BETTER	170	Class A	0.87	*	*	*	*	*	*	*	*	*	*	
0.75	35		BETTER	170	Class A	0.87	*	*	*	*	*	*	*	*	*	*	
0.75	35		BETTER	170	Class A	0.87	*	*	*	*	*	*	*	*	*	*	
0.75	35		BETTER	170	Class A	0.87	*	*	*	*	*	*	*	*	*	*	
0.75	35		BETTER	170	Class A	0.87	*	*	*	*	*	*	*	*	*	*	
0.75	35		BETTER	170	Class A	0.87	*	*	*	*	*	*	*	*	*	*	
0.75	35		BETTER	170	Class A	0.87	*	*	*	*	*	*	*	*	*	*	

<sup>1</sup> 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+)

## SUSPENSION SYSTEMS

15/16" Prelude® XL*	9/16" Silhouette® 1/4" Reveal	Silhouette® 1/8" Reveal	Suprafine®	Interlude® XL* HRC	Blizzard White – Suspension System Finish A color and texture coordinated suspension system to complement Ultima® ceiling panels for a monolithic look and feel.
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## PHYSICAL DATA

**Material**  
Wet-formed mineral fiber and biochar with DuraBrite® acoustically transparent membrane

**Surface Finish**  
DuraBrite scrim with factory-applied latex paint

**Fire Performance**  
Class A: ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less. Smoke Developed Index of 50 or less (UL® labeled).

**ASTM E1264 Classification**  
Type A, Form A2.2, Pattern E; Fire Class A

**Humidity/Sag Resistance**  
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

**Anti-Mold/Mildew**  
Ceiling tiles with BioBlock® performance resist the growth of mold and mildew on the tile surface.

**VOC Emissions**  
Third-party certified 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.

**Acoustical Performance**  
CAC testing conducted using Prelude® XL\* suspension system.

**Embodied Carbon**  
(A1-A3) 0.187 Global Warming Potential, including biogenic carbon [kg CO<sub>2</sub> eq./ft<sup>2</sup>] See EPD & EPD Optimization summary for complete details.

**Installation Consideration**  
When installing Low Embodied Carbon (LEC) panels, be cautious during cutting. The substrate may result in dust transferring to the tile's surface during installation.

Take care when cutting the tiles and ensure that you only touch the panel face with clean gloves.

**Insulation Value**  
R Factor – 2.2 (BTU units)  
R Factor – 0.39 (Watts units)

**Cleaning and Disinfecting**  
Cleaning and CDC-recommended disinfecting options available on [armstrongceilings.com/cleaning](https://armstrongceilings.com/cleaning)

**30-Year Performance Guarantee & Warranty**  
When installed with Armstrong® Suspension System. Details at [armstrongceilings.com/warranty](https://armstrongceilings.com/warranty)

**Weight: Square Feet/Carton**  
1.05 LBS/SF; 48 SF/CTN

**Minimum Order Quantity**  
1 carton

TechLine / 877 276-7876  
[armstrongceilings.com/ultimalec](https://armstrongceilings.com/ultimalec)  
BPCS-7136-925

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World Industries

MINERAL FIBER – Standard