

# Acoustical Ceiling Tile Standard

Use	Ceiling Tile	Grid
Standard ACT	Ultima Beveled Tegular 1911	Suspension Grid: Prelude 15/16"
Higher Acoustical Rating Needed	Optima Square Tegular 3354	Suspension Grid: Prelude 15/16"
Support Areas, back of house	Cortega Angled Tegular 704	Suspension Grid: Prelude 15/16"
Clean Rooms, Processing Rooms (soiled & clean)	Clean Room VL 868	Suspension Grid: Prelude 15/16"

ULTIMA®  
ULTIMA® High NRC  
Tegular  
fine texture



OPTIMA®  
OPTIMA®  
with Plant-based Binder  
Tegular  
fine texture



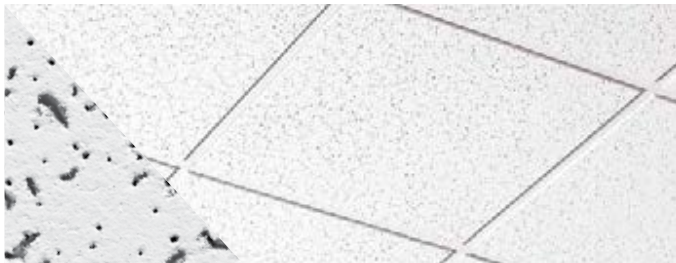
SUSTAIN®  
High Performance  
Sustainable  
Ceiling Systems  
(PB Suffix Only)



DESIGNflex®  
A New World of Choice  
for Ceiling Systems



CORTEGA®/CORTEGA® Second Look®  
Square Lay-in & Tegular  
medium texture



CLEAN ROOM™ FL/  
CLEAN ROOM™ VL & VL  
Square Lay-in  
smooth texture



\*All ACT & Grid shall be approved by project manager on all BIDMC Projects.\*

# ULTIMA® ULTIMA® High NRC

Tegular  
fine texture



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



**SUSTAIN®**  
High Performance  
Sustainable  
Ceiling Systems



**DESIGNFlex™**  
A New World of Choice  
for Ceiling Systems

## DESIGNFlex™ CEILING SYSTEMS



See Ultima® Shapes Page 148-151

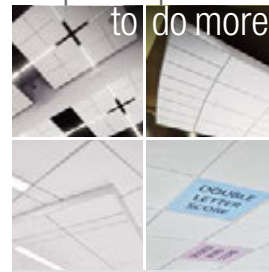
### Personalize Your Design!

Mix and match different sizes, shapes, and materials to reinvent your ceiling. More at:

[armstrongceilings.com/designflex](http://armstrongceilings.com/designflex)



plus capabilities  
to do more



See more photos at:  
[armstrongceilings.com/photogallery](http://armstrongceilings.com/photogallery)  
SEARCH: ultima



Ultima® Beveled Tegular panels with Sonata® 9/16" suspension system (Pg. 466)

A smooth visual ceiling with Total Acoustics® performance, sound absorption, and blocking needed for today's flexible spaces.

### KEY SELECTION ATTRIBUTES

- DesignFlex™ options include shapes and made-to-order sizes available to ship in 3 weeks
- 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 sustainability compliance standards today
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Excellent sound absorption
- USDA Certified Biobased Product, 95%
- Ceiling-2-Ceiling™ Post-consumer Recycled Content options: items 1911HRC, 1912HRC, 1914HRC, 1915HRC. 71% Pre-consumer; 15% Post-consumer
- Available with AirGuard™ coating
- Item 1912 available with Create!™ printed images and patterns
- Non-directional visual reduces scrap and installation time
- Compatible with the TechZone® Ceiling Systems
- Available with factory-cut holes for USAI® trimless downlight fixture integration. For details, refer to the Center Cut Panels for Recessed Downlighting data page.
- 30-Year Limited System Warranty against visible sag (excludes items 1905 and 1929), mold, and mildew
- 10-Year replacement panel available for items 1911, 1912, 1914, 1915



### 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 (Other Suspension Systems compatible. Refer to listing on page 381.)



1. Ultima® Beveled Tegular
2. Ultima® with Suprafine® 9/16" suspension system
3. Ultima® with Silhouette® XL® 9/16" suspension system with 1/4" reveal

# ULTIMA® ULTIMA® High NRC

Tegular  
fine texture

Now in  
Shapes!

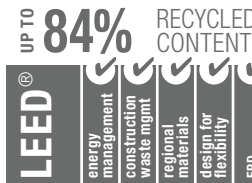


GREENGUARD  
Gold Certified  
(details below)

Declare<sup>SM</sup>  
Living Building  
Challenge Compliant



SUSTAIN<sup>SM</sup>  
High Performance  
Sustainable  
Ceiling Systems



Calculate LEED contribution at  
armstrongceilings.com/greengenie

LOCATION DEPENDENT

\$\$\$

## VISUAL SELECTION

## PERFORMANCE SELECTION

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 474-478 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)
15/16" Beveled Tegular	15	<b>1422</b>	6 x 48 x 3/4"
		<b>1917</b>	12 x 24 x 3/4"
		<b>1993</b>	12 x 48 x 3/4"
		<b>1994</b>	12 x 60 x 3/4"
		<b>1995</b>	12 x 72 x 3/4"
	15	<b>1911</b> <b>1911HRC</b>	24 x 24 x 3/4"
		<b>1951</b>	24 x 24 x 3/4"
		<b>1894</b>	24 x 24 x 3/4"
		<b>1914</b> <b>1914HRC</b>	24 x 48 x 3/4"
		<b>1985</b>	24 x 60 x 3/4"
9/16" Beveled Tegular	29, 44, 48, 52, 56	<b>1423</b>	6 x 48 x 3/4"
		<b>1427</b>	6 x 60 x 3/4"
		<b>1916</b>	12 x 24 x 3/4"
		<b>1996</b>	12 x 48 x 3/4"
		<b>1997</b>	12 x 60 x 3/4"
	29, 44, 48, 52, 56	<b>1998</b>	12 x 72 x 3/4"
		<b>1912</b> <b>1912HRC</b>	24 x 24 x 3/4"
		<b>1952</b>	24 x 24 x 3/4"
		<b>1895</b>	24 x 24 x 3/4"

UL Classified Acoustics	Total Acoustics <sup>1</sup>	Fire Performance	Light Reflect	Mold & Mildew Protection	Sag Resist	Certified Low VOC Emissions	Wash	Impact	Scratch	Soil	Recycled Content	Recycle Program	30-Yr Warranty
N/A	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
N/A	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.65	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.65	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.65	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.75	35	<b>BETTER</b> Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.60	40	<b>GOOD</b> Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.60	40	<b>GOOD</b> Fire Guard™	0.88	•	•	•	•	•	•	•	•	•	•
0.75	35	<b>BETTER</b> Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.75	35	<b>BETTER</b> Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.75	35	<b>BETTER</b> Class A	0.88	•	•	•	•	•	•	•	•	•	•
N/A	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
N/A	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
N/A	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.65	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.65	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.65	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.75	35	<b>BETTER</b> Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.60	40	<b>GOOD</b> Class A	0.88	•	•	•	•	•	•	•	•	•	•
0.60	40	<b>GOOD</b> Fire Guard	0.88	•	•	•	•	•	•	•	•	•	•

<sup>1</sup> Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance 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+)



MINERAL FIBER



See Optima® Shapes Page 144-147

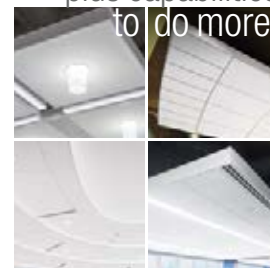
**Personalize Your Design!**

Mix and match different sizes, shapes, and materials to reinvent your ceiling. More at:

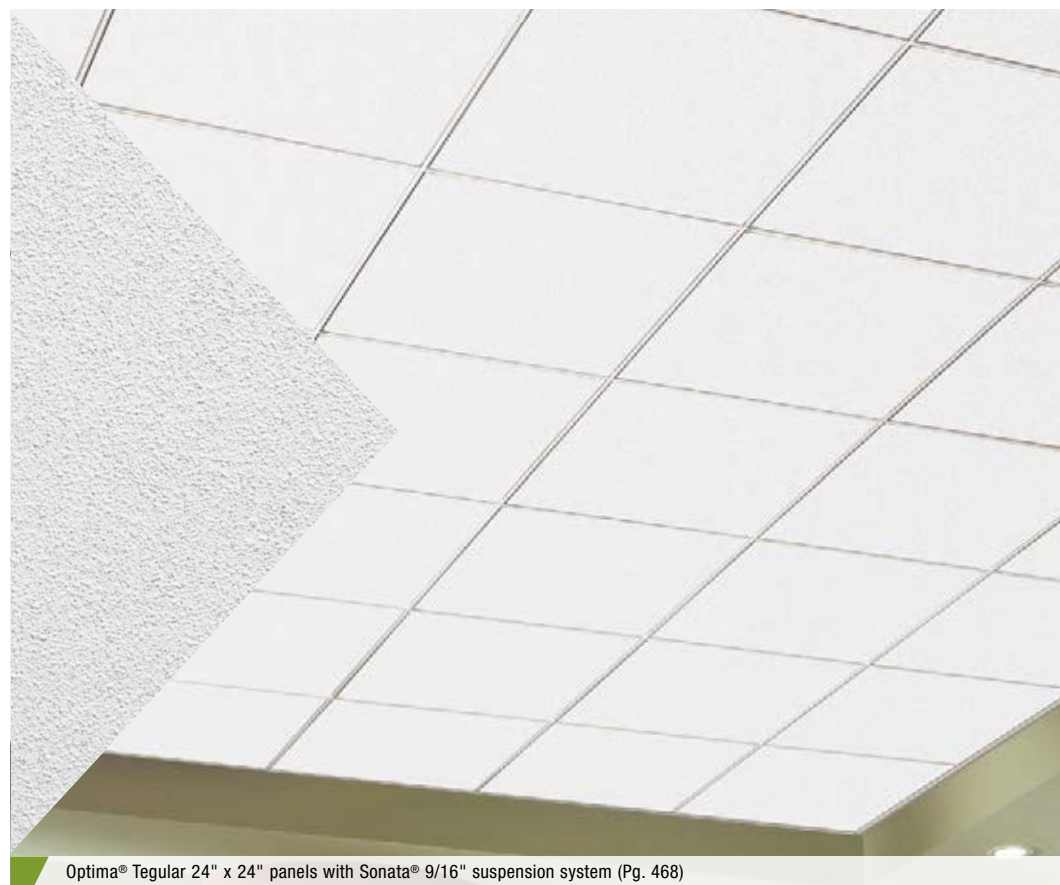
[armstrongceilings.com/designflex](http://armstrongceilings.com/designflex)



plus capabilities  
to do more



See more photos at:  
[armstrongceilings.com/photogallery](http://armstrongceilings.com/photogallery)  
 SEARCH: optima



Optima® Tegalur 24" x 24" panels with Sonata® 9/16" suspension system (Pg. 468)

Smooth-textured panels provide excellent acoustical absorption and the most standard sizes of any Armstrong Ceilings product.

**KEY SELECTION ATTRIBUTES**

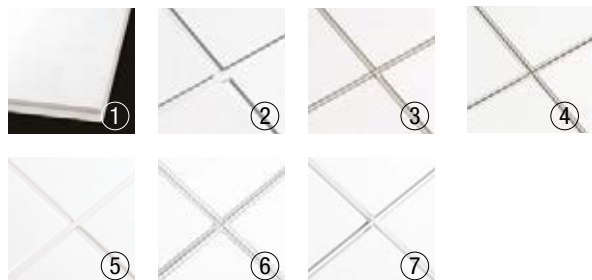
- DESIGNFlex™ options include shapes and tailor-made sizes available to ship in 3 weeks
- Optima® PB panels are part of the Sustain® portfolio, and meet the most stringent sustainability compliance standards today
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Items with PB suffix are manufactured with a plant-based binder
- Outstanding acoustical performance for open plan areas, both Articulation Class (180-200) and NRC (0.90-1.00)
- Energy-saving high light-reflective finish
- Non-directional visual reduces scrap and installation time
- Sag-resistant large-size panels
- Compatible with TechZone® Ceiling Systems
- 30-Year Limited System Warranty against visible sag, mold, and mildew
- Available with factory-cut holes for USAI® trimless downlight fixture integration. For details, refer to the Center Cut Panels for Recessed Downlighting data page.

**COLOR**



White  
(WH)

**DETAILS** (Other Suspension Systems compatible. Refer to listing on page 351.)



- Optima® Square Tegalur
- Optima® Tegalur with Prelude® 15/16" suspension system
- Optima® Tegalur with Interlude® XL® HRC 9/16" suspension system
- Optima® Tegalur with Silhouette® 9/16" suspension system with 1/8" reveal
- Suprafine® ML, XL®, and XL® HRC with Blizzard White finish
- Silhouette® XL® 1/4" and 1/8" reveal with Blizzard White finish
- Interlude® XL® HRC with Blizzard White finish



## VISUAL SELECTION

Edge Profile	Susp. Dwg. Pgs. 474-478 <a href="http://armstrongceilings.com/catdwgs">armstrongceilings.com/catdwgs</a>	Item No.	Dimensions (Inches)
<b>OPTIMA® Regular</b>			
15/16" Square Regular	8	<b>1402</b>	6 x 48 x 1"
	8	<b>1406</b>	6 x 60 x 1"
	8	<b>3264</b>	12 x 24 x 1"
	8	<b>3278</b>	20 x 60 x 1"
	8	<b>3250</b> <b>3250PB</b>	24 x 24 x 1"
	8	<b>3354</b>	24 x 24 x 1"
	8	<b>3253</b>	24 x 24 x 1-1/2"
	8	<b>3252</b> <b>3252PB</b>	24 x 48 x 1"
	8	<b>3281</b>	24 x 72 x 1"
	8	<b>3282</b>	24 x 96 x 1"
	8	<b>3258</b>	30 x 30 x 1"
	8	<b>3286</b>	30 x 60 x 1"
	8	<b>3255</b> <b>3255PB</b>	48 x 48 x 1"

## PERFORMANCE SELECTION

Dots represent high level of performance.

UL Classified Acoustics	NRC	+	CAC	=	Total Acoustics <sup>1</sup>	Articulation Class	Fire Performance	Light Reflect	Mold & Mildew Protection	Sag Resist	Certified Low VOC Emissions	Wash	Impact	Scratch	Soil	Recycled Content	Recycle Program	30-Yr Warranty
									Bio-Block	Humi-Guard+								
	N/A	N/A	—		N/A	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	N/A	N/A	—		N/A	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	0.95*	N/A	—		190	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	0.95*	N/A	—		190	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	0.95	N/A	—		190	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	0.90	26	—		200	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	1.00	N/A	—		200	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	0.95	N/A	—		190	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	0.95	N/A	—		190	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	0.95	N/A	—		190	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	0.95	N/A	—		190	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	0.95	N/A	—		190	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	0.95	N/A	—		190	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•
	0.95	N/A	—		190	Class A	0.88	•	•	•	—	•	•	•	•	•	•	•

<sup>1</sup> Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

Optima items with the PB suffix are included in the Sustain® portfolio and carry Declare™ certification.

\* These items are not UL classified.

## PHYSICAL DATA

### Material

3354 – Fiberglass with DuraBrite® acoustically transparent membrane; CAC backing  
 All other items – Fiberglass with DuraBrite acoustically transparent membrane

### Surface Finish

DuraBrite scrim with factory-applied latex paint

### Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

### ASTM E1264 Classification

Type XII, Form 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.

### Mold/Mildew Protection

Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

### VOC Emissions

(PB suffix items only)

**GREENGUARD Gold Certified**

This product has been UL validated to be Formaldehyde-Free. [UL.COM/ECV](http://UL.COM/ECV).

Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

### Primary (Embodied) Energy

See all LCA information on our EPDs.

### High Recycled Content

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

### Acoustical Details

Some items have CAC backing. CAC backing may be available as a special order. A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770.

### Insulation Value

3253 – R Factor – 6.0 (BTU units)  
 R Factor – 1.05 (Watts units)  
 3281, 3282 – R Factor – 3.0 (BTU units)  
 R Factor – 0.53 (Watts units)  
 All other items – R Factor – 4.0 (BTU units)  
 R Factor – 0.70 (Watts units)

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS  
[UL.COM/GG](http://UL.COM/GG)  
 UL 2818



### 30-Year Performance Guarantee & Warranty

When installed with Armstrong® Suspension System. Details at [armstrongceilings.com](http://armstrongceilings.com)

### Weight; Square Feet/Carton

1402 – 0.55 lbs/SF; 24 SF/ctn  
 1406 – 0.55 lbs/SF; 30 SF/ctn  
 3250 – 0.46 lbs/SF; 48 SF/ctn  
 3252 – 0.55 lbs/SF; 96 SF/ctn  
 3282 – 0.42 lbs/SF; 96 SF/ctn  
 3264 – 0.55 lbs/SF; 48 SF/ctn  
 3253 – 0.64 lbs/SF; 32 SF/ctn  
 3255 – 0.55 lbs/SF; 96 SF/ctn  
 3258 – 0.55 lbs/SF; 75 SF/ctn  
 3278, 3286 – 0.55 lbs/SF; 100 SF/ctn  
 3281 – 0.55 lbs/SF; 72 SF/ctn  
 3282 – 0.42 lbs/SF; 96 SF/ctn  
 3354 – 0.47 lbs/SF; 48 SF/ctn

### Minimum Order Quantity

1 carton

### Metric Items Available

3250M, 3252M, 3253M, 3354M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

# CORTEGA®/CORTEGA® Second Look®

Square Lay-in & Tegular  
medium texture



Cortega® Angled Tegular panels with Prelude® XL 15/16" suspension system  
(Pgs. 458-459)



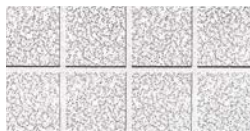
Cortega® Second Look® II panels with Suprafine® XL 9/16" suspension system  
(Pgs. 466-467)

Cortega® panels offers a medium-textured, economical solution with standard acoustical absorption.

## KEY SELECTION ATTRIBUTES

- Economical
- Non-directional visual reduces scrap and installation time  
(excludes Second Look® items)
- Geometric Scored Visuals (Second Look items)

## FACE VIEW



Cortega® Second Look® I panels –  
Scoring creates nominal 12" x 12" squares



Cortega® Second Look® II panels –  
Scoring creates nominal 24" x 24" squares

**COLORS** Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.



White  
(WH)



Tech Black (BL)  
Item 769

**DETAILS** (Other Suspension Systems compatible. Refer to listing on page 301.)



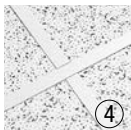
1



2



3



4



5

1. Cortega® Square Lay-in
2. Cortega® Beveled Tegular
3. Cortega® Second Look®
4. Cortega® Lay-in with Prelude 15/16" suspension system
5. Cortega® Beveled Tegular with Suprafine® 9/16" suspension system

# CORTEGA®/CORTEGA® Second Look®

Square Lay-in & Tegal  
medium texture

**GREENGUARD**  
Gold Certified  
(details below)

UP TO **43%**

**55%**

**RECYCLED**  
CONTENT

Calculate LEED contribution at  
armstrongceilings.com/greengenie

LEED®

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

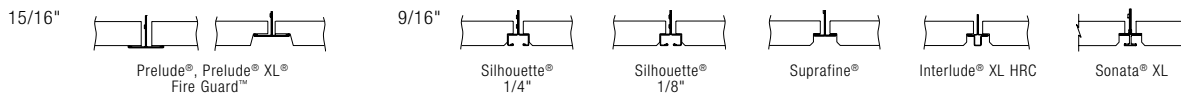
## VISUAL SELECTION

Edge Profile	Susp. Dwg. Pgs. 474-478 armstrongceilings.com/catdwgs	Item No. ♦	Dimensions (Inches)
<b>CORTEGA® Square Lay-in</b>			
	1	<b>770</b> <b>770M</b>	24 x 24 x 5/8"
	1	<b>824</b> <b>824M</b>	24 x 24 x 5/8"
	1	<b>769</b> <b>769M</b>	24 x 48 x 5/8"
	1	<b>823</b> <b>823M</b>	24 x 48 x 5/8"
	1	<b>747</b>	24 x 48 x 5/8"
	1	<b>773</b> <b>773M</b>	20 x 60 x 5/8"
	1	<b>772</b> <b>772M</b>	24 x 60 x 5/8"
	1	<b>Other Size Panels</b>	W: 12" – 30" / L: 18" – 72" 5/8" Thick
<b>CORTEGA Tegal</b>			
	12	<b>704</b> <b>704M</b>	24 x 24 x 5/8"
	12	<b>816</b>	24 x 24 x 5/8"
	12	<b>703</b> <b>703M</b>	24 x 48 x 5/8"
	29, 44, 48, 52, 56	<b>2195</b> <b>2195M</b>	24 x 24 x 5/8"
	29, 44, 48, 52, 56	<b>Other Size Panels</b>	W: 12" – 30" / L: 18" – 72" 5/8" Thick
<b>CORTEGA® Second Look® I</b>			
15/16" Angled Tegal	11	<b>2765</b>	24 x 48 x 3/4"
<b>CORTEGA Second Look II</b>			
	11	<b>2758</b>	24 x 48 x 3/4"
	11	<b>2767</b>	24 x 48 x 3/4"
9/16" Angled Tegal	27	<b>2776</b>	24 x 48 x 3/4"

1 Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. ♦ Add 2-letter color suffix to item number when specifying or ordering (e.g., 769 B L).

## SUSPENSION SYSTEMS

\* Item 2195 – CAC 31 on 9/16" Silhouette®.



NOTE: 9/16" Cortega Second Look items are installed using Suprafine® suspension systems only.

## PHYSICAL DATA

**Material**  
Wet-formed mineral fiber

**Surface Finish**  
Factory-applied latex paint

**Fire Performance**  
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

**ASTM E1264 Classification**  
Type III, Form 2, Pattern C D

**Humidity/Sag Resistance**  
Standard performance ceiling panels are recommended where the building is enclosed and the HVAC is continuously functioning.

**VOC Emissions**  
**GREENGUARD Gold Certified**  
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189, ANSI/GBI Green Building Assessment Protocol. (Excludes 769BL)

**Primary (Embodied) Energy**  
See all LCA information on our EPD's.

**High Recycled Content**  
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

**Insulation Value**  
2195, 704, 816, 703 – R Factor – 1.6 (BTU units);  
R Factor – 0.28 (Watts units)



770, 772, 769, 773, 823, 824 – R Factor – 1.5 (BTU units);  
R Factor – 0.26 (Watts units)  
747, 2765, 2758, 2767, 2776 – R Factor – 1.5 (BTU units);  
R Factor – 0.26 (Watts units)

**Weight; Square Feet/Carton**  
769 – 0.61 lbs/SF; 96 SF/ctn 823 – 1.09 lbs/SF; 48 SF/ctn  
704, 2195 – 0.63 lbs/SF; 747, 824 – 1.09 lbs/SF; 48 SF/ctn  
64 SF/ctn 64 SF/ctn  
772, 773 – 0.63 lbs/SF; 2765, 2767 – 0.73 lbs/SF; 80 SF/ctn  
100 SF/ctn 703 – 0.65 lbs/SF; 80 SF/ctn 2758 – 1.26 lbs/SF; 64 SF/ctn  
770 – 0.69 lbs/SF; 64 SF/ctn 2776 – 0.70 lbs/SF; 80 SF/ctn  
816 – 1.08 lbs/SF; 48 SF/ctn

**Minimum Order Quantity**  
1 carton, excludes other size panels.

**Metric Items Available**  
770M, 824M, 769M, 773M, 772M, 2195M, 704M, 703M, 823M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

**TechLine / 1 877 276-7876**  
armstrongceilings.com/commercial  
(search: cortega)  
BPCS-3017/3022-220

LEED® is a registered trademark of the U.S. Green Building Council  
UL is a registered trademark of UL LLC. All other trademarks used herein are the property of AWI Licensing LLC and/or its affiliates  
© 2020 AWI Licensing LLC Printed in the United States of America

**Armstrong®**  
CEILING & WALL SOLUTIONS

301

MINERAL FIBER

# CLEAN ROOM™ FL/ CLEAN ROOM™ VL & VL

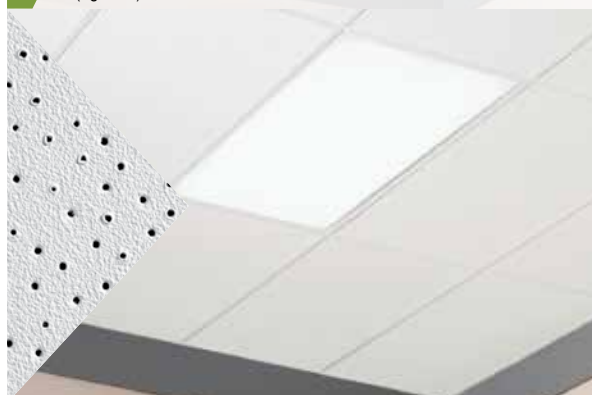
Square Lay-in  
smooth texture



Clean Room™ FL panels with Clean Room 15/16" suspension system (Pg. 451)



Clean Room VL panels with Clean Room 1-1/2" suspension system (Pg. 451)



VL panels with Prelude® XL® 15/16" suspension system (Pgs. 458-459)

Clean Room™ panels meet guidelines for controlled environments and USDA/FSIS guidelines.

## KEY SELECTION ATTRIBUTES

- Clean Rooms up to ISO Class 5 (Class 100) (excludes items 869, 871)
- Excellent sound blocking CAC (35-40)
- Durable – Washable, Scrubbable, Water-repellant, Impact-resistant, Scratch-resistant, Soil-resistant
- Non-directional visual reduces scrap and installation time
- 30-Year Limited System Warranty against visible sag, mold, and mildew
- 10-Year replacement panel available for items 1715, 1716, 1720, 1721



## TYPICAL APPLICATIONS

### Clean Room FL, Clean Room VL

- Clean Rooms
- Kitchens/food preparation areas
- Laboratories
- Healthcare
  - Patient rooms
  - Treatment rooms
  - Semi-restricted surgical areas
  - Emergency rooms

### VL (Perforated)

- Lavatories/restrooms
- Utility Rooms

## COLORS



White (WH)  
(Clean Room VL  
& VL)



White with Gray Spatter  
(Clean Room FL)

## DETAILS (Other Suspension Systems compatible. Refer to listing on page 299.)



1



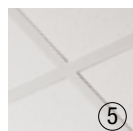
2



3



4



5

1. Clean Room™ FL
2. Clean Room™ VL
3. VL
4. Clean Room™ FL with 15/16" suspension system
5. Clean Room™ VL with 1-1/2" suspension system



# CLEAN ROOM™ FL/ CLEAN ROOM™ VL & VL

Square Lay-in  
smooth texture

**GREENGUARD**  
Gold Certified  
(details below)

UP TO **76%** RECYCLED CONTENT

Calculate LEED contribution at [armstrongceilings.com/greengenie](http://armstrongceilings.com/greengenie)

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

LOCATION DEPENDENT

## VISUAL SELECTION

Edge Profile	Susp. Dwg. Pgs. 474-478 <a href="http://armstrongceilings.com/catdwgs">armstrongceilings.com/catdwgs</a>	Item No.	Dimensions (Inches)
--------------	--	----------	---------------------

### Clean Room™ FL Field Panel

15/16" or 1, 6, 7 1-1/2" Square Lay-in	1715	24 x 24 x 3/4"	
1, 6, 7	1716	24 x 48 x 3/4"	

### Clean Room™ FL Border Panel

15/16" or 1, 6, 7 1-1/2" Square Lay-in	1720	24 x 24 x 5/8"	
1, 6, 7	1721	24 x 48 x 5/8"	

### Size Capabilities

Width	Length
5/8" Thick	
24"	24" - 48"

Made-to-Order Sizes (4-6 Wks)

### Clean Room™ VL Unperforated

15/16" or 1, 6, 7 1-1/2" Square Lay-in	868	24 x 24 x 5/8"		N/A	40	—	Fire Guard™	0.80	•	•	—	•	•	•	•	•	•	•	Std	—	•
1, 6, 7	870	24 x 48 x 5/8"		N/A	40	—	Fire Guard	0.80	•	•	—	•	•	•	•	•	•	•	Std	—	•

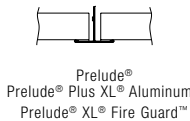
### VL Perforated (Not for Clean Rooms)

15/16" or 1 1-1/2" Square Lay-in	869	24 x 24 x 5/8"		0.55	35	—	Fire Guard	0.78	•	•	—	—	•	•	•	•	•	•	Std	—	•
1	871	24 x 48 x 5/8"		0.55	35	—	Fire Guard	0.78	•	•	—	—	•	•	•	•	•	•	Std	—	•

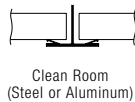
1 Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. Also see Optima® Health Zone™ and Ultima® Health Zone™ for use in Clean Rooms.

## SUSPENSION SYSTEMS

15/16"



1-1/2"



NOTE: Clean Room Class 5 (Class 100) UL Classified for Acoustics on 15/16" suspension system only.

## PHYSICAL DATA

### Material

Wet-formed mineral fiber

### Surface Finish

1715, 1716, 1720, 1721 – Soil-resistant polyester film  
868, 870, 869, 871 – Vinyl-faced membrane

### Fire Performance

ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard™: A fire-resistant ceiling when used in applicable UL assemblies (Class A).

### ASTM E1264 Classification

1715, 1716, 1720, 1721 – Type IV, Form 2, Pattern G H  
868, 870, – Type IV, Form 2, Pattern E  
869, 871 – Type IV, Form 2, Pattern C E  
Fire Class A

### Mold & Mildew Protection

Clean Room ceiling panels resist the growth of mold and mildew

TechLine / 1 877 276-7876  
[armstrongceilings.com/commercial](http://armstrongceilings.com/commercial)  
(search: clean room)  
BPCS-3044-519

### 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.

### VOC Emissions

**GREENGUARD Gold Certified**  
(Excludes FL Border and VL Panels) Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

### High Recycled Content

Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

### Insulation Value

R Factor – 1.5 (BTU units)  
R Factor – 0.26 (Watts units)

LEED® is a registered trademark of the U.S. Green Building Council  
UL is a registered trademark of UL LLC. All other trademarks used herein are the property of AWI Licensing LLC and/or its affiliates  
© 2019 AWI Licensing LLC Printed in the United States of America

PRODUCT CERTIFIED  
FOR LOW CHEMICAL  
EMISSIONS  
UL.COM/GG  
UL 2818



### 30-Year Performance Guarantee & Warranty

When installed with Armstrong® Suspension System. Details at [armstrongceilings.com](http://armstrongceilings.com)

### Weight; Square Feet/Cartridge

1715 – 1.02 lbs/SF; 48 SF/ctn  
1716 – 1.02 lbs/SF; 64 SF/ctn  
1720 – 1.04 lbs/SF; 48 SF/ctn  
1721 – 1.17 lbs/SF; 64 SF/ctn  
868, 869 – 1.10 lbs/SF; 48 SF/ctn  
870, 871 – 1.11 lbs/SF; 64 SF/ctn

**NOTE:** For assistance on proper Clean Room installation, contact TechLine at 1 877 276-7876.

### Minimum Order Quantity:

1 carton, excludes other size panels.

### Metric Items Available

1715M, 1716M, 1720M, 1721M, 868M, 870M, 869M, 871M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

**Armstrong®**  
CEILING & WALL SOLUTIONS

299

MINERAL FIBER