

**NEW** Clean Room™ FL & VL  
Clean Room OPTIMA®, Clean Room ULTIMA®

Square Lay-in, Tegular  
smooth texture



Items 1715, 1716, 1720, 1721



Clean Room Ultima with Clean Room 15/16" grid (Pg. 210)



Clean Room Optima with Prelude® 15/16" Exposed Tee grid (Pg. 215)



Clean Room FL with Clean Room 1-1/2" Exposed Tee grid (Pg. 210)

### Key Selection Attributes

- Clean Rooms up to ISO Class 5 (Class 100)
- Meets USDA/FSIS guidelines for use in food processing areas (excludes items 869, 871)
- Durable – Washable, Scrubbable, Soil-resistant
- Non-directional visual reduces installation time and scrap
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

### Clean Room Optima and Ultima Additional Benefits

- Exceeds FGI Guidelines for acoustics and cleanability in general healthcare spaces
- Long-lasting water-repellency

### Typical Applications

#### Clean Room FL, Clean Room VL, Clean Room Ultima

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

#### Clean Room Optima Clean Rooms

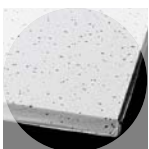
- Kitchens/food preparation areas
- Laboratories
- Healthcare
  - Patient rooms (walls-to-deck)
  - Treatment rooms (walls-to-deck)
  - Emergency rooms (walls-to-deck)
  - Semi-restricted surgical areas (walls-to-deck)
  - MRI rooms

#### VL (Perforated)

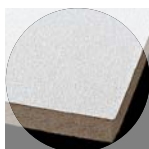
- Lavatories/restrooms

**Detail** (Other Suspension Systems compatible. Refer to listing on pages 151-152.)

**Color**



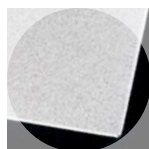
Clean Room FL



Clean Room VL



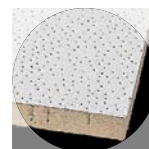
Clean Room Optima Square Lay-in



Clean Room Ultima Square Lay-in



Clean Room FL with Clean Room 1-1/2" Exposed Tee grid



VL



White (WH)  
(Clean Room Optima,  
Clean Room Ultima,  
Clean Room VL  
& VL)



White with  
Gray Spatter  
(Clean Room  
FL)

**LEED® Credits**

Energy	Waste Mgmt	Recycled Content	Local Materials	Renewable Materials	Daylight & Views
✓	✓	✓	✓		✓

Location Dependent

**LEED for Schools**

Acoustics	Low Emitting or CHPS
✓	✓



**Square Lay-in, Tegular**

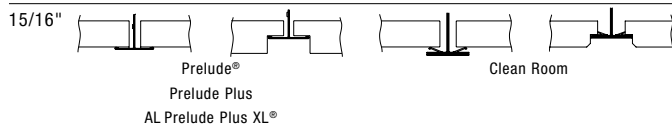
smooth texture

**Visual Selection**

**Performance Selection** Dots represent highest level of performance.

Edge Profile	Suspension Detail Dwg. Pgs. 226-228	Item No.	Dimensions	UL Classified		Acoustics NRC	CAC	AC	Fire Rating	Light Reflect	Sag Resist	Anti-Microbial	Durable					Recycle Program
				□	●								Wash	Scrub	Water Repel	Impact	Scratch	
<b>Clean Room OPTIMA (see Health Zone™ Optima, Items 3114, 3115, 3214, 3215, Pgs. 113-114)</b>																		
15/16" Square Lay-in	2	3114	2' x 2' x 1"	□	●	0.95	N/A	190	Class A	0.86	HumiGuard+	Inherent	●	●	●	●	●	
	12, 2	3115	2' x 4' x 1"	□	●	0.95	N/A	190	Class A	0.86			●	●	●	●	●	
	12, 2	3314	2' x 2' x 1-1/2"	□	●	0.95	29	190	Class A	0.86			●	●	●	●	●	
	12, 2	3315	2' x 4' x 1-1/2"	□	●	0.95	29	190	Class A	0.86			●	●	●	●	●	
15/16" Square Tegular	12, 2	3214	2' x 2' x 1"	□	●	0.95	N/A	190	Class A	0.86			●	●	●	●	●	
	12, 2	3215	2' x 4' x 1"	□	●	0.95	N/A	190	Class A	0.86			●	●	●	●	●	
	12, 2	3316	2' x 2' x 1-1/2"	□	●	0.95	29	190	Class A	0.86			●	●	●	●	●	
	12, 2	3317	2' x 4' x 1-1/2"	□	●	0.95	29	190	Class A	0.86			●	●	●	●	●	
<b>Clean Room ULTIMA (see Health Zone Ultima, Items 1935 and 1937, Pg. 173)</b>																		
15/16" Square Lay-in	2	1935	2' x 2' x 3/4"	□	●	0.70	35	N/A	Class A	0.86	HumiGuard+	Inherent	●	●	●	●	●	
15/16" Beveled Tegular	12, 2A	1937	2' x 2' x 3/4"	□	●	0.70	35	N/A	Class A	0.86			●	●	●	●	●	

**Suspension Systems**



**Physical Data**

**Material**  
3114, 3115, 3214, 3215 – Fiberglass with DuraBrite® acoustically transparent membrane  
1935, 1937 – Wet formed mineral fiber with DuraBrite acoustically transparent water-repellent membrane

**Surface Finish**  
DuraBrite 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**  
3114, 3115, 3214, 3215, 3314, 3315, 3316, 3317 – Type XII, Form 2, Pattern E  
1935, 1937 – Type IV, Form 2, Pattern E  
Fire Class A

**Sag Resistance**  
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

**VOC/Formaldehyde Emissions**  
Meets CA Dept. of Health Services Standard Practice for the testing of VOC Emissions and is listed on CHPS High Performance Products Database for Low-Emitting Materials.

**Anti Mold/Mildew & Bacteria**  
3114, 3115, 3214, 3215, 3314, 3315, 3316, 3317 – Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.  
1935, 1937 – 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.

**Acoustical Details**  
3314, 3315, 3316, and 3317 have CAC backing. Products with CAC backing are not UL Classified for acoustics. Contact TechLine for independent laboratory acoustic testing.

**Insulation Value**  
3114, 3115, 3214, 3215, 3314, 3315, 3316, 3317 –  
R Factor – 4.0 (BTU units)  
R Factor – 0.70 (Watts units)  
1935, 1937 –  
R Factor – 2.2 (BTU units)  
R Factor – 0.39 (Watts units)

**30-Year Performance Guarantee & Warranty Information**  
See warranty details at [armstrong.com/warranty](http://armstrong.com/warranty)

**Application Considerations**  
**Clean Room Optima (Health Zone Optima)**  
For Clean Room installations with Clean Room Optima, use full-size panels with Clean Room grid.  
**Clean Room Ultima (Health Zone Ultima)**  
For Clean Room installations with Clean Room Ultima, use full-size panels (items 1935 and 1937) with Clean Room grid. Clean Room Ultima has been tested to withstand 500 wash and scrub cycles.

**Cleaning Recommendations**  
To clean panel, use a clean, white cloth with water or a mild detergent and wipe surface. To disinfect panel, lightly spray surface and wipe clean with a clean, white cloth. Acceptable colorless disinfectants include:  
• Sodium hypochlorite  
• Isopropyl alcohol  
• Hydrogen peroxide  
• Quaternary ammonium

**Weight; Square Feet/Carton**  
3114, 3115, 3214, 3215 – 0.45 lbs/SF; 96 SF/ctn  
1935, 1937 – 1.08 lbs/SF; 48 SF/ctn  
3314, 3315, 3316, 3317 – 0.78 lbs/SF; 64 SF/ctn

**Note:** For assistance on proper Clean Room installation, contact TechLine at 1 877 ARMSTRONG. For Clean Room installations, use Clean Room Optima or Clean Room Ultima only with Armstrong Clean Room Grid Systems.

Recycled Content: **Up to 70%**

armstrong.com/greengenie

# Clean Room™ FL/ Clean Room VL & VL

Square Lay-in, Tegular  
smooth texture

## LEED® Credits

Energy Waste Mgmt  
Recycled Content  
Local Materials  
Renewable Materials  
Daylight & Views

## LEED for Schools

Acoustics  
Low Emitting or CHPS



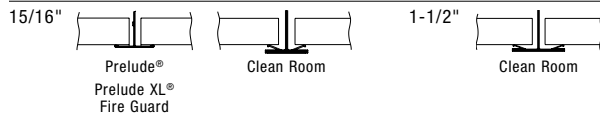
### Visual Selection

### Performance Selection

Dots represent highest level of performance.

Edge Profile	Suspension Detail Dwg. Pgs. 226-228	Item No.	Dimensions	UL Classified		Fire Rating	Light Reflect	Sag Resist	Anti-Microbial	Durable				Recycle Program
				Acoustics NRC	CAC					Wash	Scrub	Water Repel	Soil	
<b>Clean Room FL Field Unit – Class 5 (Class 100)</b>														
	1,2	1715	2' x 2' x 3/4"	□	0.55	35	Class A	0.79	HumiGuard+	BioBlock+	Wash	Scrub	Water Repel	Soil
		1715M	600 x 600 x 19mm											
	1,2	1716	2' x 4' x 3/4"	□	0.55	35	Class A	0.79	HumiGuard+	BioBlock+	Wash	Scrub	Water Repel	Soil
		1716M	600 x 1200 x 19mm											
<b>Clean Room FL Border Unit – Class 5 (Class 100)</b>														
	1,2	1720	2' x 2' x 5/8"	□	N/A	35	Class A	0.79	HumiGuard+	BioBlock+	Wash	Scrub	Water Repel	Soil
		1720M	600 x 600 x 15mm											
	1,2	1721	2' x 4' x 5/8"	□	N/A	35	Class A	0.79	HumiGuard+	BioBlock+	Wash	Scrub	Water Repel	Soil
		1721M	600 x 1200 x 15mm											
<b>Clean Room VL Unperforated – Class 5 (Class 100)</b>														
	1	868	2' x 2' x 5/8"	□	N/A	40	Fire Guard	0.80	HumiGuard+	BioBlock+	Wash	Scrub	Water Repel	Soil
		868M	600 x 600 x 15mm											
	1	870	2' x 4' x 5/8"	□	N/A	40	Fire Guard	0.80	HumiGuard+	BioBlock+	Wash	Scrub	Water Repel	Soil
		870M	600 x 1200 x 15mm											
<b>VL Perforated</b>														
	1	869	2' x 2' x 5/8"	□	0.55	35	Fire Guard	0.78	HumiGuard+	BioBlock+	Wash	Scrub	Water Repel	Soil
		869M	600 x 600 x 15mm											
	1	871	2' x 4' x 5/8"	□	0.55	35	Fire Guard	0.78	HumiGuard+	BioBlock+	Wash	Scrub	Water Repel	Soil
		871M	600 x 1200 x 15mm											

### Suspension Systems



### 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 resistive ceiling when used in applicable UL assemblies

**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

**Sag Resistance**  
HumiGuard® Plus – superior resistance to sagging in high humidity conditions up to, but not including, standing water and outdoor applications.

**VOC/Formaldehyde Emissions**  
Meets CA Dept. of Health Services Standard Practice for the testing of VOC Emissions and is listed on CHPS High Performance Products Database for Low-Emitting Materials.

**Anti Mold/Mildew & Bacteria**  
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**  
R Factor – 1.5 (BTU units)  
R Factor – 0.26 (Watts units)

**30-Year Performance Guarantee & Warranty Information**  
See warranty details at armstrong.com/warranty

**Application Considerations**  
**Clean Room FL**  
If acoustical absorption is required, specify a combination of field and border units – field units for use as full-size panels only; border units for use where panels must be cut on the job (borders, sprinkler head penetrations, etc.).

**VL Perforated**  
869, 871 – VL Perforated is not intended for Clean Room and kitchen/food preparation applications. Use unperforated product – 868, 870.

**Clean Room VL**  
Clean Room VL has been tested to withstand 10,000 scrub cycles.  
Clean Room VL is not appropriate for applications where germicidal lamps are being used.

**Weight; Square Feet/Carton**  
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 ARMSTRONG. For Clean Room installations, use Clean Room FL or Clean Room VL only with Armstrong Clean Room Grid Systems.