

# Clean Room™ MYLAR, Clean Room VL, VL

## Square Lay-in, Tegular

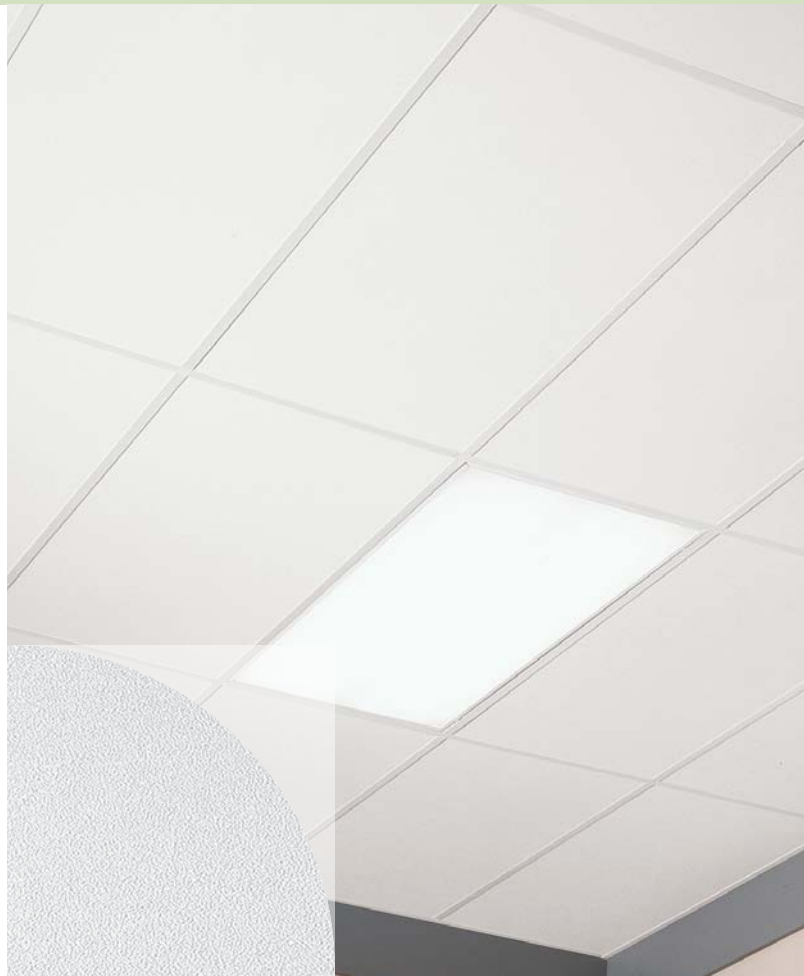
smooth texture



Items 1715, 1716, 1720, 1721



Clean Room Mylar with Clean Room 1-1/2" grid



Clean Room VL Unperforated with Prelude® 15/16" Exposed Tee grid

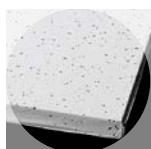
### Key Selection Attributes

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

### Typical Applications

- Clean Room Mylar, Clean Room VL**
- Clean Rooms
  - Kitchens/food preparation areas
  - Laboratories
- VL (Perforated)**
- Semi-restricted surgical areas
  - Emergency rooms
  - Lavatories/restrooms

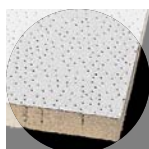
### Detail



Clean Room MYLAR



Clean Room VL



VL



Clean Room MYLAR with CLEAN ROOM 1-1/2" grid

### Color



White (WH)  
(Clean Room VL & VL)



White with Gray Spatter  
(Clean Room MYLAR)



# Clean Room™ MYLAR, Clean Room VL, VL Square Lay-in, Tegular

smooth texture

Recycled Content: up to 70% Fire Guard 38% [armstrong.com/greengenie](http://armstrong.com/greengenie)

## LEED® Credits

Energy	Waste Mgmt	Recycled Content	Local Materials	Renewable Materials	Daylight & Views	Acoustics	Low Emitting or CHPS
		✓ (MYLAR)	✓ Location Dependent	✓			✓

\$\$\$\$\$

## Visual Selection

## Performance Selection

Dots represent highest level of performance.

Edge Profile	Item No.	Dimensions	UL Classified		Fire Rating	Light Reflect	Sag Resist	Anti-Microbial	VOC Formaldehyde	Durable			Recycle Program
			Acoustics NRC	CAC						Wash	Soil	Scrub	
<b>Clean Room MYLAR Field Unit – Class 5 (Class 100)</b>													
15/16" or 1-1/2" Square Lay-in	1715	2' x 2' x 3/4"	0.55	35	Class A	0.79	HumiGuard+	BioBlock+	Low	•	•	•	•
	1715M	600 x 600 x 19mm					•	•					
1716	1716	2' x 4' x 3/4"	0.55	35	Class A	0.79	•	•	Low	•	•	•	•
	1716M	600 x 1200 x 19mm											
<b>Clean Room MYLAR Border Unit – Class 5 (Class 100)</b>													
15/16" or 1-1/2" Square Lay-in	1720	2' x 2' x 5/8"	N/A	35	Class A	0.79	•	•	Low	•	•	•	•
	1720M	600 x 600 x 15mm											
1721	1721	2' x 4' x 5/8"	N/A	35	Class A	0.79	•	•	Low	•	•	•	•
	1721M	600 x 1200 x 15mm											
<b>Clean Room VL Unperforated – Class 5 (Class 100)</b>													
15/16" or 1-1/2" Square Lay-in	868	2' x 2' x 5/8"	N/A	40	Fire Guard	0.80	•	•	Low	•	•	•	–
	868M	600 x 600 x 15mm		•									
870	870	2' x 4' x 5/8"	N/A	40	Fire Guard	0.80	•	•	Low	•	•	•	–
	870M	600 x 1200 x 15mm		•									
<b>VL Perforated</b>													
15/16" or 1-1/2" Square Lay-in	869	2' x 2' x 5/8"	0.55	35	Fire Guard	0.78	•	•	Low	•	•	•	–
	869M	600 x 600 x 15mm											
871	871	2' x 4' x 5/8"	0.55	35	Fire Guard	0.78	•	•	Low	•	•	•	–
	871M	600 x 1200 x 15mm											

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

## Suspension Systems

15/16"	Standard: Prelude®, Clean Room, Clean Room-Steel	Fire Guard™: Prelude XL® Fire Guard
1-1/2"	Standard: Clean Room	

## 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.

### Low Formaldehyde

Low formaldehyde – contributing less than 13.5 ppb in typical conditions per ASHRAE Standard 62, "Ventilation for Acceptable Indoor Air Quality," California Code Title 24, and other building types in CHPS Section 01350.

### 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

1715, 1716, 1720, 1721, 868, 870, 869, 871 – R Factor – 1.5 (BTU units)  
R Factor – 0.26 (Watts units)

### Backloading Recommendation

Contact TechLine for specific information

### 30-Year Performance Guarantee & Warranty Information

See warranty details at [armstrong.com/warranty](http://armstrong.com/warranty)

### Application Considerations

#### Clean Room MYLAR

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 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

TechLine<sup>SM</sup> / 1 877 ARMSTRONG  
1 877 276 7876

[armstrong.com/ceilings](http://armstrong.com/ceilings) (search: clean room)

CS-3044-910

LEED® is a registered trademark of the U.S. Green Building Council

All other trademarks used herein are the property of AWI Licensing Company and/or its affiliates  
© 2010 AWI Licensing Company • Printed in the United States of America



Square Lay-in, Tegular  
smooth texture



Clean Room Optima with Prelude® 15/16" Exposed Tee grid



Clean Room Ultima with Clean Room 15/16" grid

### Key Selection Attributes

- Clean Rooms up to ISO Class 5 (Class 100)
- Exceeds FGI Guidelines for acoustics and cleanability in general healthcare spaces
- Meets USDA/FSIS guidelines for use in food processing areas
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth
- Durable – Washable, Scrubbable, Soil-resistant
- Long-lasting water-repellency
- Non-directional visual reduces installation time and scrap

### Typical Applications

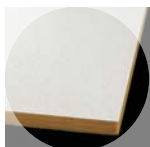
#### Clean Room OPTIMA

- Clean Rooms  
Healthcare
- Patient rooms (walls-to-deck)
  - Treatment rooms (walls-to-deck)
  - Emergency rooms
  - Laboratories
  - Kitchens/food preparation areas
  - MRI rooms

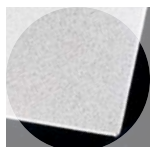
#### Clean Room ULTIMA

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

### Detail



Clean Room OPTIMA  
Square Lay-in



Clean Room ULTIMA  
Square Lay-in



Clean Room OPTIMA  
Square Lay-in with  
CLEAN ROOM 15/16" grid

### Color



White (WH)  
(Clean Room OPTIMA,  
Clean Room ULTIMA)



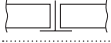
LEED® Credits						LEED for Schools	
Energy	Waste Mgmt	Recycled Content	Local Materials	Renewable Materials	Daylight & Views	Acoustics	Low Emitting or CHPS
✓	✓	✓	✓	✓	✓	✓	✓
Location Dependent							

Square Lay-in, Tegular  
smooth texture

Clean Room Optima \$\$\$\$\$ Clean Room Ultima \$\$\$\$\$

Visual Selection

Performance Selection Dots represent highest level of performance.

Edge Profile	Item No.	Dimensions	UL Classified		Fire Rating	Light Reflect	Sag Resist	Anti-Microbial	VOC Formaldehyde	Durable				Recycle Program	
			Acoustics NRC	AC						Wash	Impact	Scratch	Soil		
<b>Clean Room OPTIMA<sup>†</sup> (see Health Zone™ Optima, Items 3114, 3115, 3214, 3215, CS-4261)</b>															
	3114	2' x 2' x 1"	0.95	N/A	190	Class A	0.86	HumiGuard+	Inherent	Low	•	•	•	•	•
	3115	2' x 4' x 1"	0.95	N/A	190	Class A	0.86	•	•	Low	•	•	•	•	•
	3214	2' x 2' x 1"	0.95	N/A	190	Class A	0.86	•	•	Low	•	•	•	•	•
	3215	2' x 4' x 1"	0.95	N/A	190	Class A	0.86	•	•	Low	•	•	•	•	•
<b>Clean Room ULTIMA<sup>†</sup> (see Health Zone Ultima, Items 1935 and 1937, CS-4066)</b>															
	1935	2' x 2' x 3/4"	0.70	35	N/A	Class A	0.86	HumiGuard+	BioBlock+	No Added	•	•	•	•	•
	1937	2' x 2' x 3/4"	0.70	35	N/A	Class A	0.86	•	•	No Added	•	•	•	•	•

**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.  
† US Patent 6,103,360; 5,674,594

Suspension Systems

15/16" Standard: AL Prelude® Plus XL®, Clean Room, Clean Room-Steel, Prelude, Prelude Plus

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 – 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.

**No-Added/Low Formaldehyde**  
No-added formaldehyde – free of formaldehyde-based resins. Outperforms CHPS Section 01350 requirements. (Independent test reports available upon request.)  
Low formaldehyde – contributing less than 13.5 ppb in typical conditions per ASHRAE Standard 62, "Ventilation for Acceptable Indoor Air Quality," California Code Title 24, and other building types in CHPS Section 01350.

**Anti Mold/Mildew & Bacteria**  
3114, 3115, 3214, 3215 – 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.

**Insulation Value**  
3114, 3115, 3214, 3215 –  
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)

**Backloading Recommendation**  
Contact TechLine for specific information

**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 (items 3114, 3115, 3214, 3215) 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 scrub cycles.

**Weight; Square Feet/Carton**  
3114, 3115, 3214, 3215 – 0.45 lbs/SF; 96 SF/ctn  
1935, 1937 – 1.08 lbs/SF; 48 SF/ctn

TechLine<sup>SM</sup> / 1 877 ARMSTRONG  
1 877 276 7876

[armstrong.com/ceilings](http://armstrong.com/ceilings) (search: clean room)

CS-4273-910

LEED® is a registered trademark of the U.S. Green Building Council  
All other trademarks used herein are the property of AWI Licensing Company and/or its affiliates  
© 2010 AWI Licensing Company • Printed in the United States of America

