

OPTIMA®
Square Lay-in
 fine texture

Items with Breakthrough Plant-based Binder have a PB Suffix

10-YEAR Availability

Items 3152 & 3153



Optima Square Lay-in with Prelude® 15/16" suspension system (Pg. 259)

KEY SELECTION ATTRIBUTES

- Outstanding acoustical performance for open plan areas, both Articulation Class (180-200) and NRC (0.90-1.00)
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Energy-saving high light-reflective finish
- Non-directional visual reduces installation time and scrap
- Items with PB suffix are manufactured with a plant-based binder
- Sag-resistant large size panels
- Compatible with TechZone™ Ceiling Systems (Pgs. 233-239)
- Item 3352 available with Create!™ colors and images, see pages 165-167
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

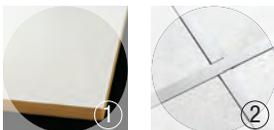
TYPICAL APPLICATIONS

- Open plan offices
- Computer rooms
- Corridors (walls-to-deck)
- Auditoriums
- Waiting rooms/nurses' stations – assists in addressing HIPAA and FGI acoustical requirements
- Areas with indirect lighting systems



Visit Armstrong.com Photo Gallery to view more installation photos
 SEARCH: optima

DETAIL (Other Suspension Systems compatible. Refer to listing on page 196.)



1. Optima Square Lay-in
2. Optima Square Lay-in with Prelude 15/16" suspension system

COLOR



Create! colors available on item 3352. See pages 165-167.

White



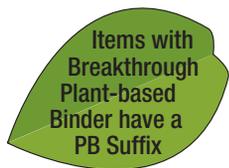
FIBERGLASS



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UP TO **71%** RECYCLED CONTENT

LEED®

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EPD AVAILABLE

Calculate LEED contribution at armstrong.com/greengenie *LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

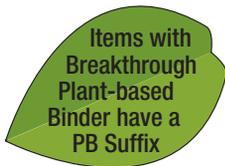
Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability				Primary (Embodied) Energy	Recycle Content*	Recycle Program	Warranty†
				NRC	CAC						UL Classified	Wash	Impact	Scratch				
OPTIMA Square Lay-in																		
15/16" Square Lay-in	1	1400	6 x 48 x 1"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	1404	6 x 60 x 1"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3156	20 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3150 3150PB	24 x 24 x 3/4"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3152 3152PB	24 x 24 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3352	24 x 24 x 1"	0.90	26	200	Class A	0.90	•	•	–	•	•	•	•	High	–	30
	1	3159	24 x 24 x 1-1/2"	1.00	N/A	200	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3151 3151PB	24 x 48 x 3/4"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3153 3153PB	24 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3353	24 x 48 x 1"	0.90	26	200	Class A	0.90	•	•	–	•	•	•	•	High	–	30
	1	3155	24 x 48 x 1-1/2"	1.00	N/A	200	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3356	24 x 48 x 1-1/2"	0.95	26	200	Class A	0.90	•	•	–	•	•	•	•	High	–	30
	1	3164	24 x 60 x 3/4"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3161	24 x 72 x 3/4"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3162	24 x 96 x 3/4"	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3158	30 x 30 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3157	30 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3160 3160PB	48 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	3154	48 x 96 x 1"	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	Other Sizes	W: 4" - 24" / L: 4" - 96" 3/4" Thick	0.90	N/A	180	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	NEW FastSize™	W: 4" - 48" / L: 4" - 120" 1" Thick	0.95	N/A	190	Class A	0.90	•	•	–	•	•	•	•	High	•	30
	1	Other Sizes	W: 4" - 42" / L: 4" - 120" W: 4" - 48" / L: 4" - 114" 1-1/2" Thick	1.00	N/A	200	Class A	0.90	•	•	–	•	•	•	•	High	•	30

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VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability					Recycle Program	Warranty*	
				NRC	CAC						UL Classified	Inherent	Humi-Guard+	Water Repel	Wash			Impact
OPTIMA Square Lay-in																		
	23	1401	6 x 48 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	High	•	30
	23	1405	6 x 60 x 1"	0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	High	•	30
OPTIMA Health Zone™ Square Lay-in																		
	1, 6, 7	3114	24 x 24 x 1"	0.95	N/A	190	Class A	0.86	•	•	-	•	•	•	•	High	•	30
	1, 6, 7	3314	24 x 24 x 1-1/2"	0.95	29**	190	Class A	0.86	•	•	-	•	•	•	•	High	-	30
	1, 6, 7	3115	24 x 48 x 1"	0.95	N/A	190	Class A	0.86	•	•	-	•	•	•	•	High	•	30
	1, 6, 7	3315	24 x 48 x 1-1/2"	0.95	29**	190	Class A	0.86	•	•	-	•	•	•	•	High	-	30
	1, 6, 7	Other Sizes	W: 4" - 48" / L: 12" - 48" 1" Thick	0.95	N/A	190	Class A	0.86	•	•	-	•	•	•	•	High	•	30

** CAC 29 achieved with Clean Room™ suspension system, not UL classified for acoustics.

SUSPENSION SYSTEMS



PHYSICAL DATA

Material
3115, 3150-3153, 3155, 3156, 3158, 3159 – Fiberglass with DuraBrite® acoustically transparent membrane
3352, 3353, 3356, 3314, 3315 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing

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
Type XII, 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.

Anti Mold/Mildew & Bacteria
Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

VOC Emissions (PB suffix items only)
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 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.

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
1400, 1401, 1404, 1405, 3114, 3115, 3152, 3153, 3156, 3158, 3352, 3353, 3154, 3160, 3157 – R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)
3150, 3151, 3161, 3162, 3164 – R Factor – 3.0 (BTU units)
R Factor – 0.53 (Watts units)
3155, 3159, 3356, 3314, 3315 – R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)

Application Consideration
Do not mix Optima and Optima Health Zone in the same room.

30-Year Performance Guarantee & Warranty*
When installed with Armstrong Suspension System. Details at armstrong.com/warranty

Weight; Square Feet/Carton
3150, 3151 – 0.44 lbs/SF; 128 SF/ctn
3152, 3153, 3114, 3115 – 0.45 lbs/SF; 96 SF/ctn
3155, 3159, 3356 – 0.61 lbs/SF; 64 SF/ctn
3156 – 0.47 lbs/SF; 100 SF/ctn
3158 – 0.47 lbs/SF; 75 SF/ctn
3352, 3353 – 0.46 lbs/SF; 96 SF/ctn
3154, 3160 – 0.45 lbs/SF; 128 SF/ctn
3157 – 0.56 lbs/SF; 100 SF/ctn
3161 – 0.43 lbs/SF; 96 SF/ctn
3164 – 0.43 lbs/SF; 100 SF/ctn
3162 – 0.42 lbs/SF; 128 SF/ctn
1400, 1401 – 0.13 lbs/SF; 24 SF/ctn
1404, 1405 – 0.16 lbs/SF; 30 SF/ctn
3314, 3315 – 0.45 lbs/SF; 96 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
3150M, 3151M, 3152M, 3153M, 3154M, 3155M, 3156M, 3158M, 3159M, 3160M, 3353M, 3356M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.



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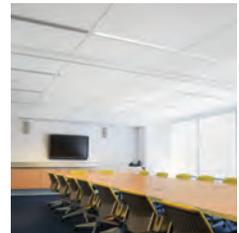
Optima Tegular 24" x 24" panels with Sonata® 9/16" suspension system (Pg. 265)

KEY SELECTION ATTRIBUTES

- Outstanding acoustical performance for open plan areas, both Articulation Class (180-200) and NRC (0.90-1.00)
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Energy-saving high light-reflective finish
- Non-directional visual reduces installation time and scrap
- Items with PB suffix are manufactured with a plant-based binder
- Sag-resistant large size panels
- Compatible with TechZone™ Ceiling Systems (Pgs. 235-241)
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

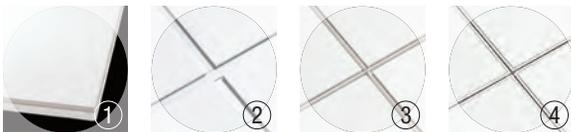
- Open plan offices
- Computer rooms
- Corridors (walls-to-deck)
- Auditoriums
- Waiting rooms/nurses' stations – assists in addressing HIPAA and FGI acoustical requirements
- Areas with indirect lighting systems



Visit Armstrong.com Photo Gallery to view more installation photos

SEARCH: optima

DETAIL (Other Suspension Systems compatible. Refer to listing on page 200.)

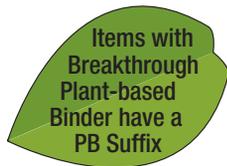


1. Optima Square Tegular
2. Optima Tegular with Prelude® 15/16" suspension system
3. Optima Tegular with Interlude® XL® 9/16" suspension system
4. Optima Tegular with Silhouette® 9/16" suspension system with 1/8" reveal

COLOR



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VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Image	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability				Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty†	
					NRC	CAC						α _w	Wash	Impact	Scratch					Soil
OPTIMA Tegular																				
15/16" Square Tegular	8	1402	6 x 48 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	1406	6 x 60 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3264	12 x 24 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3278	20 x 60 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3250 3250PB	24 x 24 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3354	24 x 24 x 1"		0.90	26	200	Class A	0.90	•	•	-	•	•	•	•	•	High	-	30
	8	3253	24 x 24 x 1-1/2"		1.00	N/A	200	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3252 3252PB	24 x 48 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3281	24 x 72 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3282	24 x 96 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3258	30 x 30 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3286	30 x 60 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	3255 3255PB	48 x 48 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	NEW FastSize™	W: 4" - 48" / L: 4" - 120" 1" Thick		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	8	Other Sizes	W: 4" - 36" / L: 4" - 120" W: 4" - 42" / L: 4" - 102" W: 4" - 48" / L: 4" - 90" 1-1/2" Thick		1.00	N/A	200	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
9/16" Square Tegular	26, 43, 47, 51, 55, 59	1410	4 x 48 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1411	4 x 60 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1412	6 x 6 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1413	6 x 12 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1415	6 x 42 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1403	6 x 48 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1417	6 x 54 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1407	6 x 60 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1409	6 x 96 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3263	12 x 24 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3290	12 x 48 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	1414	12 x 96 x 1"		0.90	N/A	180	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3276	20 x 54 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3266	20 x 56 x 1"		0.95	N/A	190	Class A	0.90	•	•	-	•	•	•	•	•	High	•	30



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PERFORMANCE

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Edge Profile	Susp. Dwg. Pgs. 273-277 armstrong.com/catdwgs	Item No.	Dimensions (Inches)	Acoustics		Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability			Primary (Embodied) Energy	Recycled Content*	Recycle Program	Warranty†
				NRC	CAC						Wash	Impact	Scratch				
OPTIMA Tegular																	
9/16" Square Tegular	26, 43, 47, 51, 55, 59	3277	20 x 60 x 1"	•	N/A	190	Class A	0.90	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3279	21 x 24 x 1"	•	N/A	190	Class A	0.90	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3251 3251PB	24 x 24 x 1"	•	N/A	190	Class A	0.90	•	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3355	24 x 24 x 1"	•	0.90	26	200	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3254	24 x 24 x 1-1/2"	•	1.00	N/A	200	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3280	24 x 42 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3257 3257PB	24 x 48 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3265 3265PB	24 x 60 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3261 3261PB	24 x 72 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3262 3262PB	24 x 96 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3283	27 x 30 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3268	28 x 30 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3269	28 x 60 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3259	30 x 30 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3284	30 x 54 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30
	26, 43, 47, 51, 55, 59	3289	30 x 56 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30
26, 43, 47, 51, 55, 59	3285	30 x 60 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30	
26, 43, 47, 51, 55, 59	3287	42 x 48 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30	
26, 43, 47, 51, 55, 59	3288	44 x 48 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30	
26, 43, 47, 51, 55, 59	3256 3256PB	48 x 48 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30	
26, 43, 47, 51, 55, 59	3249	48 x 54 x 1"	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30	
26, 43, 47, 51, 55, 59	NEW FastSize™	W: 4" - 48" / L: 4" - 120" 1" Thick	•	0.95	N/A	190	Class A	0.90	•	•	•	•	•	High	•	30	
26, 43, 47, 51, 55, 59	Other Sizes	W: 4" - 36" / L: 4" - 120" W: 4" - 42" / L: 4" - 102" W: 4" - 48" / L: 4" - 90" 1-1/2" Thick	•	1.00	N/A	200	Class A	0.90	•	•	•	•	•	High	•	30	

FIBERGLASS

