

OPTIMA® Open Plan

Square Lay-in

fine texture



Items 3152 & 3153



Optima Open Plan Square Lay-in with Prelude® 15/16" Exposed Tee grid (pg. 215); Axiom® Classic Trim (Pg. 236)

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
- Compatible with the TechZone™ Ceiling Systems (Pgs. 195-200) Items 3152, 3153, 3156, 3158 only
- Smaller size panels available (1 carton min. order). Info: armstrong.com/specials
- 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

Detail



Optima Open Plan
Square Lay-in



Optima Open Plan
with Prelude 15/16"
Exposed Tee grid

Color



White (WH)

OPTIMA® Open Plan

Square Lay-in

fine texture

Recycled Content: 71%

armstrong.com/greengenie

LEED® Credits

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

LEED for Schools


Acoustics	Low Emitting or CHPS
✓	✓

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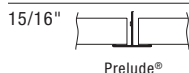
Visual Selection

Performance Selection

Dots represent highest level of performance.

Edge Profile	Grid Drawings Cat. pgs. 226-228 or armstrong.com/catdwg	Item No.	Dimensions	UL Classified			Fire Rating	Light Reflect	Sag Resist	Anti-Microbial	Durable				Recycle Program
				Acoustics NRC	CAC	AC					Wash	Impact	Scratch	Soil	
15/16" Square Lay-in		3150 3150M	2' x 2' x 3/4" 600 x 600 x 19mm	0.90	N/A	180	Class A	0.90	HumiGuard+	Inherent	•	•	•	•	Yes
		3152 3152M	2' x 2' x 1" 600 x 600 x 25mm	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•
		3159 3159M	2' x 2' x 1-1/2" 600 x 600 x 38mm	1.00	N/A	200	Class A	0.90	•	•	•	•	•	•	•
		3352 3352M	2' x 2' x 1" 600 x 600 x 25mm	0.90	26	200	Class A	0.90	•	•	•	•	•	•	—
		3151 3151M	2' x 4' x 3/4" 600 x 1200 x 19mm	0.90	N/A	180	Class A	0.90	•	•	•	•	•	•	•
		3153 3153M	2' x 4' x 1" 600 x 1200 x 25mm	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•
		3155 3155M	2' x 4' x 1-1/2" 600 x 1200 x 38mm	1.00	N/A	200	Class A	0.90	•	•	•	•	•	•	•
		3353 3353M	2' x 4' x 1" 600 x 1200 x 25mm	0.90	26	200	Class A	0.90	•	•	•	•	•	•	—
		3356 3356M	2' x 4' x 1-1/2" 600 x 1200 x 38mm	0.95	26	200	Class A	0.90	•	•	•	•	•	•	—
		3156 3156M	20" x 5' x 1" 500 x 1500 x 25mm	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•
		3158 3158M	30" x 30" x 1" 750 x 750 x 25mm	0.95	N/A	190	Class A	0.90	•	•	•	•	•	•	•

Suspension Systems



Prelude®

Physical Data

Material

3150-3153, 3155, 3156, 3158, 3159 – Fiberglass with DuraBrite® acoustically transparent membrane
3352, 3353, 3356 – 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.

VOC/Formaldehyde Emissions

(Excludes Items 3159, 3155, 3356)
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.

(Items 3159, 3155, 3356)

Meets CA Dept. of Health Services Standard Practice for the testing of VOC Emissions depending on ceiling use and building parameters. Specific project data is required to evaluate performance.

Anti Mold/Mildew & Bacteria

Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

Acoustical Details

Items 3352, 3353, and 3356 have CAC backing. CAC backing is available on all products as a special order.

Insulation Value

3150, 3151 –
R Factor – 3.0 (BTU units)
R Factor – 0.53 (Watts units)
3152, 3153, 3156, 3158, 3352, 3353 –
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)
3155, 3159, 3356 –
R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)

30-Year Performance Guarantee & Warranty Information

Details in back of catalog or at armstrong.com/warranty

Application Considerations

Products with CAC backing are not recyclable. Item 3356 is not UL Classified.

Weight; Square Feet/ Carton

3150, 3151 – 0.44 lbs/SF; 128 SF/ctn
3152, 3153 – 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

OPTIMA® Open Plan

Regular
fine texture



Items 3250 & 3251



Optima Open Plan Regular (2' x 2') with Sonata® 9/16" Dimensional Tee grid (Pg. 219); Axiom® Classic Trim (Pg. 236)

Key Selection Attributes

- Outstanding acoustical performance for open plan areas, both Articulation Class (190-200) 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
- Compatible with the TechZone™ Ceiling Systems (Pgs. 195-200) items 3250, 3251, 3252, 3257, 3258, 3259 only.
- Smaller size panels available (1 carton min. order). Info: armstrong.com/specials
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

Typical Applications

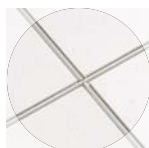
- Open Plan offices
- Computer rooms
- Corridors (walls-to-deck)
- Auditoriums
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements (walls-to-deck)
- Areas with indirect lighting systems
- Open plenum areas (in acoustical custom clouds)

Detail (Other Suspension Systems compatible. Refer to listing on page 118.)

Color



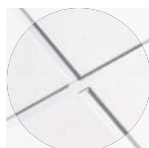
Optima Open Plan
Square Regular



Optima Open Plan Regular
with Interlude® XL® 9/16"
Dimensional Tee grid



Optima Open Plan Regular
with Silhouette® 9/16"
Bolt-Slot grid
with 1/8" reveal



Optima Open Plan Regular
with Prelude® 15/16"
Exposed Tee grid



White (WH)

OPTIMA® Open Plan

Regular
fine texture

Recycled Content: 71%

armstrong.com/greengenie

LEED® Credits

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


















LEED for Schools

Acoustics	Low Emitting or CHPS
✓	✓

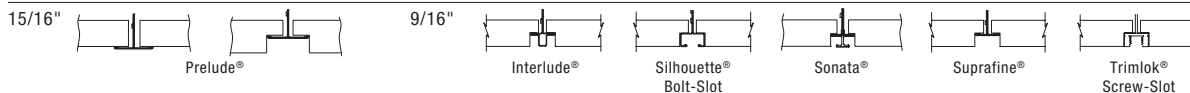
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Visual Selection

Performance Selection Dots represent highest level of performance.

Edge Profile	Grid Drawings Cat. pgs. 226-228 or armstrong.com/catdwg	Item No.	Dimensions		UL Classified			Fire Rating	Light Reflect	Sag Resist	Anti-Microbial	Durable				Recycle Program	
					Acoustics	CAC	AC										
																	
OPTIMA Open Plan Regular																	
	9/16" Square Regular	3, 40, 52, 53, 55	3251 3251M	2' x 2' x 1" 600 x 600 x 25mm		0.95	N/A	190	Class A	0.90	HumiGuard+	Inherent	Wash	Impact	Scratch	Soil	Yes
		3, 40, 52, 53, 55	3355 3355M	2' x 2' x 1" 600 x 600 x 25mm		0.90	26	200	Class A	0.90							—
		3, 40, 52, 53, 55	3254 3254M	2' x 2' x 1-1/2" 600 x 600 x 38mm		1.00	N/A	200	Class A	0.90							
		3, 40, 52, 53, 55	3257 3257M	2' x 4' x 1" 600 x 1200 x 25mm		0.95	N/A	190	Class A	0.90							
		3, 40, 52, 53, 55	3259	30" x 30" x 1"		0.95	N/A	190	Class A	0.90							
		3, 40, 52, 53, 55	3263	1' x 2' x 1"		N/A	N/A	N/A	Class A	0.90							
	15/16" Square Regular	17	3250 3250M	2' x 2' x 1" 600 x 600 x 25mm		0.95	N/A	190	Class A	0.90							
		17	3354 3354M	2' x 2' x 1" 600 x 600 x 25mm		0.90	26	200	Class A	0.90							—
		17	3253 3253M	2' x 2' x 1-1/2" 600 x 600 x 38mm		1.00	N/A	200	Class A	0.90							
		17	3252 3252M	2' x 4' x 1" 600 x 1200 x 25mm		0.95	N/A	190	Class A	0.90							
		17	3258	30" x 30" x 1"		0.95	N/A	190	Class A	0.90							
		17	3264	1' x 2' x 1"		N/A	N/A	N/A	Class A	0.90							

Suspension Systems



Physical Data

Material

3250, 3251, 3252, 3253, 3254, 3257, 3258, 3259, 3263, 3264 – Fiberglass with DuraBrite® acoustically transparent membrane
3354, 3355 – 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.

VOC/Formaldehyde Emissions

(Excludes Items 3253, 3254)
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.

(Items 3253, 3254)

Meets CA Dept. of Health Services Standard Practice for the testing of VOC Emissions depending on ceiling use and building parameters. Specific project data is required to evaluate performance.

Anti Mold/Mildew & Bacteria

Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

Acoustical Details

Items 3355 and 3354 come with CAC backing is available on all products as a special order.

Insulation Value

3250, 3251, 3252, 3257, 3258, 3259, 3354, 3355, 3263, 3264 –
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)
3253, 3254 –
R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)

30-Year Performance Guarantee & Warranty Information

Details in back of catalog or at armstrong.com/warranty

Application Considerations

Products with CAC backing are not recyclable.

1' x 2' products are intended for use with 1' x 2' recessed light fixtures and are not UL Classified for acoustics.

Weight; Square Feet/Carton

3250, 3251, 3252, 3257 – 0.55 lbs/SF; 96 SF/ctn
3253, 3254 – 0.78 lbs/SF; 64 SF/ctn
3258, 3259 – 0.53 lbs/SF; 75 SF/ctn
3263, 3264 – 0.55 lbs/SF; 48 SF/ctn
3354, 3355 – 0.57 lbs/SF; 96 SF/ctn

OPTIMA® Open Plan

Square Lay-in, Tegalur

fine texture

Now
with a
Plant-based
Binder



Optima Open Plan Tegalur 4' x 4' with Sonata® 9/16" Dimensional Tee grid



Optima Open Plan Square Lay-in Large Size 4' x 4' with Prelude® 15/16" Exposed Tee grid; Axiom Classic Trim

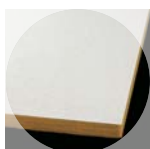
Key Selection Attributes

- Plant-based binder is formulated without formaldehyde resins and is rapidly renewable
- Outstanding acoustical performance for open plan areas, both Articulation Class (190) and NRC (0.95)
- 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
- Fiberglass substrate inherently resists mold/mildew and bacterial growth
- Compatible with the TechZone™ Ceiling Systems
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

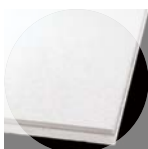
Typical Applications

- Open plan offices
- Computer rooms
- Lobbies/reception areas
- Airports/bus/train stations
- Auditoriums
- Libraries
- Waiting rooms/nurses stations – assists in addressing HIPAA and FGI acoustical requirements
- Areas with indirect lighting systems

Detail



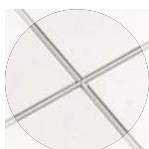
Optima Open Plan Square Lay-in



Optima Open Plan Square Tegalur



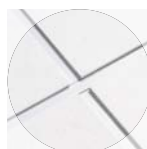
Optima Open Plan with Prelude 15/16" Exposed Tee grid



Optima Open Plan Tegalur with Interlude® XL 9/16" Dimensional Tee grid



Optima Open Plan Tegalur with Silhouette® 9/16" Bolt-Slot grid with 1/8" reveal



Optima Open Plan Tegalur with Prelude® 15/16" Exposed Tee grid

Color



White (WH)

OPTIMA® Open Plan

Square Lay-in, Tegalur

fine texture

Now
with a
Plant-based
Binder

Recycled
Content: 71%

armstrong.com/greengenie

LEED® Credits

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

LEED for Schools



















Acoustics	Low Emitting or CHPS
✓	✓

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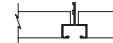

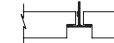

Visual Selection

Performance Selection

Dots represent highest level of performance.

Edge Profile	Item No.	Dimensions		UL Classified Acoustics		Fire Rating	Light Reflect	Sag Resist	Anti-Microbial	Durable				Recycle Program
				NRC	AC									
														
OPTIMA Open Plan Square Lay-in														
	3152PB	2' x 2' x 1"		0.95 ●	190 ●	Class A	0.90 ●	HumiGuard+ ●	Inherent ●	Wash ●	Impact ●	Scratch ●	Soil ●	Yes ●
	3153PB	2' x 4' x 1"		0.95 ●	190 ●	Class A	0.90 ●	●	●	●	●	●	●	●
	3160PB	4' x 4' x 1"		0.95 ●	190 ●	Class A	0.90 ●	●	●	●	●	●	●	●
OPTIMA Open Plan Tegalur														
	3251PB	2' x 2' x 1"		0.95 ●	190 ●	Class A	0.90 ●	HumiGuard+ ●	Inherent ●	Wash ●	Impact ●	Scratch ●	Soil ●	Yes ●
	3257PB	2' x 4' x 1"		0.95 ●	190 ●	Class A	0.90 ●	●	●	●	●	●	●	●
	3256PB	4' x 4' x 1"		0.95 ●	190 ●	Class A	0.90 ●	●	●	●	●	●	●	●
	3250PB	2' x 2' x 1"		0.95 ●	190 ●	Class A	0.90 ●	●	●	●	●	●	●	●
	3252PB	2' x 4' x 1"		0.95 ●	190 ●	Class A	0.90 ●	●	●	●	●	●	●	●
	3255PB	4' x 4' x 1"		0.95 ●	190 ●	Class A	0.90 ●	●	●	●	●	●	●	●

Suspension Systems

15/16"			9/16"					
	Prelude®	AL Prelude Plus		Interlude®	Silhouette® Bolt-Slot	Sonata®	Suprafine®	Trimlok® Screw-Slot

Physical Data

Material

Fiberglass with plant-based binder and DuraBrite® acoustically transparent 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

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.

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

Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

Insulation Value

R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)

30-Year Performance Guarantee & Warranty Information

Details in back of catalog or at armstrong.com/warranty
Weight; Square Feet/ Carton
3152PB, 3153PB – 0.45 lbs/SF; 96 SF/ctn
3160PB – 0.45 lbs/SF; 128 SF/ctn
3255PB, 3256PB – 0.50 lbs/SF; 128 SF/ctn
3250PB, 3251PB, 3252PB, 3257PB – 0.55 lbs/SF; 96 SF/ctn

OPTIMA® Open Plan Large Sizes

Square Lay-in & Tegular

fine texture



Optima Open Plan Tegular 4' x 4' with Sonata® 9/16" Dimensional Tee grid (Pg. 219); Axiom® Classic Trim (Pg.236)



Optima Open Plan Square Lay-in Large Size 4' x 4' with Prelude® 15/16" Exposed Tee grid (Pg. 215); Axiom Classic Trim (Pg. 236)

Key Selection Attributes

- Sag-resistant large format acoustical panels
- Outstanding acoustical performance for open plan areas, both Articulation Class (190) and NRC (0.95)
- 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
- Compatible with the TechZone™ Ceiling Systems (Pgs. 195-200), except item 3154
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

Typical Applications

- Open plan areas
- Lobbies/reception areas (walls-to-deck)
- Corridors (walls-to-deck)
- Areas with indirect lighting

Detail (Other Suspension Systems compatible. Refer to listing on page 120.)

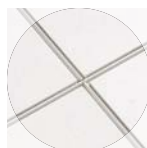
Color



Optima Square Tegular



Optima Open Plan Square Lay-in with Prelude® 15/16" Exposed Tee grid



Optima Open Plan Tegular with Interlude® XL® 9/16" Dimensional Tee grid



White (WH)

OPTIMA® Open Plan Large Sizes

Square Lay-in & Tegular

fine texture

Recycled Content: **71%**

armstrong.com/greengenie

LEED® Credits

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

LEED for Schools








Acoustics	Low Emitting or CHPS
✓	✓

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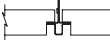
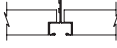
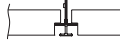
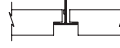
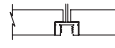
Visual Selection

Performance Selection

Dots represent highest level of performance.

Edge Profile	Grid Drawings Cat. pgs. 226-228 or armstrong.com/catdwg	Item No.	Dimensions		UL Classified			Fire Rating	Light Reflect	Sag Resist	Anti-Microbial	Durable				Recycle Program
					Acoustics		AC					Wash	Impact	Scratch	Soil	
					NRC	CAC										
OPTIMA Open Plan – Large Sizes																
	1	3157 3157M	30" x 5' x 1" 750 x 1500 x 25mm		0.95	N/A	190	Class A	0.90	HumiGuard+	Inherent	Wash	Impact	Scratch	Soil	Yes
	1	3160 3160M	4' x 4' x 1" 1200 x 1200 x 25mm		0.95	N/A	190	Class A	0.90							
	1	3154 3154M	4' x 8' x 1" 1200 x 2400 x 25mm		0.95	N/A	190	Class A	0.90							
9/16" Square Tegular	3, 40, 52, 53, 55	3256 3256M	4' x 4' x 1" 1200 x 1200 x 25mm		0.95	N/A	190	Class A	0.90							
15/16" Square Tegular	17	3255 3255M	4' x 4' x 1" 1200 x 1200 x 25mm		0.95	N/A	190	Class A	0.90							

Suspension Systems

15/16"		9/16"					
	Prelude®		Interlude®	Silhouette® Bolt-Slot	Sonata®	Suprafine®	Trimlok® Screw-Slot

Accessories – Stabilizer Clip (ordered separately)

Recommended for panels 5' and greater in length
Item 435 Stabilizer Clip



Note: Panels 5' up to 8' – One clip installed near the mid-point of each long edge.
Panels 8' and over – Two clips installed at one-third points of each long edge.

Physical Data

Material

Fiberglass with DuraBrite® acoustically transparent membrane. With or without CAC backing (CAC backing available as a Special Order)

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.

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

Fiberglass substrate is inherently resistant to the growth of mold, mildew, and bacteria.

Acoustical Details

CAC backing is available on all products as a special order

Insulation Value

R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)

30-Year Performance Guarantee & Warranty Information

Details in back of catalog or at armstrong.com/warranty

Application Considerations

Optima Open Plan panels as large as 4' x 8' can be installed as lay-in ceiling panels (when installed without backloading) and as acoustical wall panels.

Weight; Square Feet/Carton

3154, 3160 – 0.45 lbs/SF; 128 SF/ctn
3157 – 0.56 lbs/SF; 100 SF/ctn
3255, 3256 – 0.50 lbs/SF; 128 SF/ctn