



WOOD
WORKS[®]
Ekos[®]
Wall Systems

Inspiring Great Spaces[®]

Armstrong[®]
CEILING & WALL SOLUTIONS

WOODWORKS® Ekos®

Wall Systems



WoodWorks Ekos Wall System Perforated in Ekos Dark Cherry with Aluminum Accent Trim

Standard wall panels in a variety of veneers with no detectable VOC emissions.

KEY SELECTION ATTRIBUTES

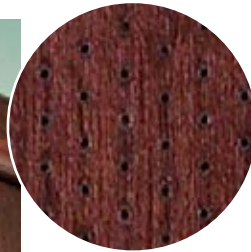
- Rich, natural wood finishes
- Less expensive and easier to install than custom millwork
- Standard system with variety of accessories
- Can help contribute to LEED® credits with no-added formaldehyde and high recycled content
- No detectable VOC emissions
- Panels can be installed horizontally or vertically

ACOUSTICAL BENEFITS

- Perforated Ekos panels absorb 50% of sound striking the surface
- Improves sound quality and reduces reverberation within a space
- STC levels increase as both perforated and unperforated Ekos panels are added to standard drywall partitions
- Reduces sound intrusion between spaces and increases speech privacy



Mahogany Finish Molding and Bullnose Accent Trim with perforated panels



Ekos Mahogany Perforated (magnified view – 5% open area per panel)

VENEERS

Due to printing limitations, shade may vary from actual product.



PERFORATION OPTIONS Actual 1:1 scale shown.







Type: Unperforated Type: Round-Staggered



Ekos Perforation

Hole Size: 0.4mm [.015"]
% Open Area: 5.7%

STC RATINGS FOR EKOS ADDED TO DRYWALL

Design	5/8" drywall on 3-5/8" metal studs	5/8" drywall on 3-5/8" metal studs with R-11 Fiberglass insulation in cavity
Standard drywall only	STC 38 	STC 44 
One wall with Ekos	STC 43 	STC 52 
Both walls with Ekos	STC 46 	STC 52 

SUSTAINABLE DESIGN*

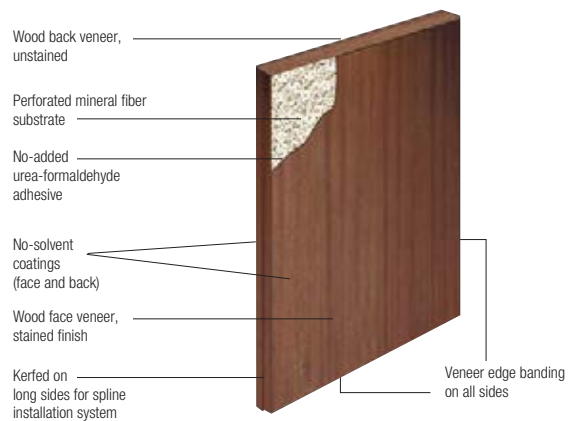
Industry's first wood wall system with:

- Construction Waste Management, recyclable option through Armstrong Recycling Program, LEED® MR Credit 2.1-2
- 78% Recycled Content, LEED MR Credit 4.1-2
- Regional Materials, LEED MR Credit 5.1-2
- 8.9% Rapidly Renewable Materials, LEED MR Credit 6.0
- Enhanced Acoustical Performance, LEED for Schools EQ Credit 9
- Low Emitting Materials, no detectable formaldehyde, CHPS listing, LEED for Schools EQ Credit 4-Option 6

* For more information on how Ekos Wall Systems meet sustainable design requirements, see Armstrong Wall Systems Formaldehyde sheet (CS-3839) and Wall Systems Sustainable Design sheet (CS-3840) or visit armstrongceilings.com/walls

VERSATILE ACCESSORIES

- Decorative solid wood trims, corners, chair rails and moldings complement Ekos panel finishes
- Aluminum trims add an eclectic edge
- Consult WoodWorks Ekos brochure (CS-3826) for more accessory photos



Aluminum Reveal Accent Trim in Natural Anodized



Dark Cherry Chair Rail with Black Rail Insert



Maple 6" Base Molding



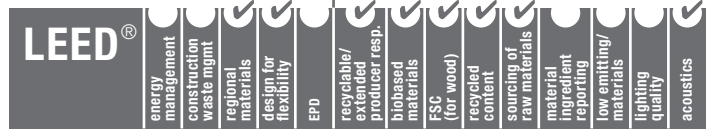
Dark Cherry Peak Corner

WOODWORKS® Ekos®

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73% RECYCLED CONTENT

Calculate LEED contribution at armstrong.com/greengenie



VISUAL SELECTION

Item No. ♦	Description	Dimensions (Inches)	Pcs/Ctn	Ekos Finishes
Unperforated Panels				
5800_ _ _	8' Ekos Wall Panel Unperforated	96 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG
5801_ _ _	9' Ekos Wall Panel Unperforated	108 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG
5802_ _ _	Nominal 10' Ekos Wall Panel Unperforated	118 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG
Perforated Panels				
5803_ _ _	8' Ekos Wall Panel Perforated	96 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG
5804_ _ _	9' Ekos Wall Panel Perforated	108 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG
5805_ _ _	Nominal 10' Ekos Wall Panel Perforated	118 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG
Unperforated Horizontal Panels				
5970_ _ _	8' Ekos Horizontal Wall Panel Unperforated	96 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG
5971_ _ _	9' Ekos Horizontal Wall Panel Unperforated	108 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG
5972_ _ _	Nominal 10' Ekos Horizontal Wall Panel Unperforated	118 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG
Perforated Horizontal Panels				
5973_ _ _	8' Ekos Horizontal Wall Panel Perforated	96 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG
5974_ _ _	9' Ekos Horizontal Wall Panel Perforated	108 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG
5975_ _ _	Nominal 10' Ekos Horizontal Wall Panel Perforated	118 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG

♦ When specifying or ordering, please include pieces/carton and color suffix. EXAMPLE: 5805 4 H G – for nominal 10' perforated panels in Ekos Mahogany finish.
 * See wall construction in physical data below for test wall construction.

PERFORMANCE

Acoustics NRC Rating A D (Mounting)		Acoustics STC Rating* 1 side 2 sides		VOC Formaldehyde	Recycling Program
N/A	N/A	43	46	No added	Yes
N/A	N/A	43	46	No added	Yes
N/A	N/A	43	46	No added	Yes
0.45	0.50	43	46	No added	Yes
0.45	0.50	43	46	No added	Yes
0.45	0.50	43	46	No added	Yes
N/A	N/A	43	46	No added	Yes
N/A	N/A	43	46	No added	Yes
N/A	N/A	43	46	No added	Yes
0.45	0.50	43	46	No added	Yes
0.45	0.50	43	46	No added	Yes
0.45	0.50	43	46	No added	Yes

ACCESSORIES – WOODWORKS EKOS WALL PANELS ONLY









Item No. ♦	Description	Lengths	Finishes	Material
5850J_ _ _ _	Cap Accent Trim	96", 108", 120" (08) (09) (10)	NA (Natural Anodized) BL (Black Anodized)	Aluminum
5850K_ _ _ _	Reveal Accent Trim	96", 108", 120" (08) (09) (10)	NA (Natural Anodized) BL (Black Anodized)	Aluminum
5858_ _ _	Wall Installation Spline (concealed)	96", 108", 120" (08) (09) (10)	Plastic (X) or Aluminum (Y)	Plastic or Aluminum
5860_ _ X	Wall Bead Installation Spline†	96", 108", 120" (08) (09) (10)	Black Plastic	Plastic

† This accessory should be used when Decorative Accent Trims are not selected.
 NOTE: When a decorative accent trim is selected, you must also choose a wall installation spline.
 ♦ When specifying or ordering, insert the appropriate length suffix and finish suffix. EXAMPLE: 5850J 0 8 N A 96" cap accent trim in Natural Anodized.








WOODWORKS® Ekos®

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ACCESSORIES – WOODWORKS® STANDARD WALL PANELS AND CHanneled STANDARD WALL PLANK

Item No. ♦	Description	Dimensions (Inches)	Color/Finish	Pcs/Ctn
 5855 _ _ _	4" Base Molding	100"	NMP, NLC, NDC, BAP, BAN, MP, LC, DC, HG	Bulk
 5856 _ _ _	6" Base Molding	100"	NMP, NLC, NDC, BAP, BAN, MP, LC, DC, HG	Bulk
 5857 _ _ _ _ _	Finish Molding (direct-applied)	100" (08), 112" (09), or 122" (10)	DC, HG, LC, DC	Bulk
 5907 _ _ _ _ _	1.875" Finish Molding (with furring strips)	100" (08), 112" (09), or 122" (10)	NMP, NLC, NDC, BAP, BAN	Bulk
 5867 _ _ _ _ _	Inside Corner Molding	100" (08), 112" (09), or 122" (10)	NMP, NLC, NDC, BAP, BAN	Bulk
 5851 _ _ _ _ _	Peak Corner (Solid Wood)	96" (08), 108" (09), or 118" (10)	MP, HG, LC, DC	Bulk
 5852 _ _ _ _ _	Bullnose Corner (Solid Wood)	96" (08), 108" (09), or 118" (10)	MP, HG, LC, DC	Bulk
 5859 _ _ _	Corner Installation Spline (Concealed)	96" (08), 108" (09), or 118" (10)	Plastic (X) or Aluminum (Y)	Bulk

CHAIR RAIL ACCESSORIES – SOUNDSOAK™ STANDARD AND WOODWORKS® EKOS® WALL PANELS

Item No. ♦	Description	Lengths	Colors	Substrate
 5861 _ _	Mounting Rail	100"	MP, LC, DC, HG, XX	Solid Wood
 5862 _ _	Rail Spacer for Soundsoak 85	100"	XX	Solid Wood
 5863 _ _	Rail Insert	100"	MP, LC, DC, HG, BL, XX	Solid Wood
 5963NA	Rail Insert – Aluminum Finish	96"	Natural Anodized (NA)	Solid Wood and Aluminum
 5864 _ _	Rail Cap	100"	MP, LC, DC, HG, XX	Solid Wood
 5865 _ _	Extended Rail Cap for Soundsoak 85	100"	MP, LC, DC, HG, XX	Solid Wood
 5866 _ _	Easel Ledge	100"	MP, LC, DC, HG, XX	Solid Wood

CHAIR RAIL ACCESSORY COLORS



♦ Insert 2-letter color suffix when specifying or ordering. EXAMPLE: 5861 H G – Mounting Rail in Mahogany
NOTE: Unfinished wood can be field-painted.

PHYSICAL DATA

Panel Material

Mineral fiber with real wood veneers. Face veneers are quarter-cut, random-matched Anigre or Makore veneers stained to the Ekos finishes.

Panel Surface Finish

Tinted, no-solvent coatings on face veneers.

Accessory Material

Milled solid wood stained to coordinate with Ekos finishes. Extruded aluminum.

Wall Construction

Wall construction is one layer 5/8" drywall each side of 3-5/8" metal stud, with Ekos panels attached on one or both sides.

Fire Performance

Class B fire performance per IBC. Flame Spread Rating of 50 or less and Smoke Developed Classification of 100 or less when tested per ASTM E84 or CAN/ULC S102.

Application Considerations

Due to the natural characteristics of veneers, variations in color and grain can be expected. Do not mix panels from different lots. Veneered panels may also darken over time.

It is very important that WoodWorks Ekos panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained.

Ekos wall panels are not recommended for use in high-traffic or high-impact areas. For these areas, contact TechLine at 1 877 276-7876 to explore WoodWorks Custom wall systems.

Ekos wall panels may be installed horizontally. For more details, see armstrong.com/walls.

Warranty

Details at armstrongceilings.com/warranty

Weight/Square Feet

1.6 lbs/SF