



CEILING SYSTEMS

Between us, ideas become reality™

METALWORKS™ Tin





Cast a Reflection

Meld a classic look with modern performance.

Now, you can get an extra microperforated acoustical tin ceiling with a grid concealing 9/16" Tegular edge.

Bring the glamour back.

With 8 standard and 24 custom patterns in five reflective finishes, you can add a little eye candy to your next design.

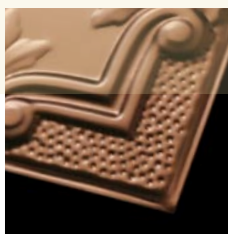
Drive vintage to the very corners.

Use a variety of decorative filler panels or one of many stylish cornices to complement 2' x 4' Nail-up panels.



METALWORKS™ Tin

Edge Details



9/16" Lay-in (L9)
15/16" Lay-in (L5)
Nail-up (NU – 2' x 4' only)



9/16" Tegular (T9)



15/16" Tegular (T5)

Cover photo: Lancaster Dispensing Company, Lancaster, PA
MetalWorks Tin 9/16" Tegular item 56003 Extra Microperforated in Copper with Lay-in Filler item 56009 Extra Microperforated in Copper on Suprafine 9/16" Exposed Tee Grid in Bronze



MetalWorks Tin Lay-in item 56008, Lay-in Filler item 56009, and Cornice item 56052 in Chrome

Perforation Options



Unperforated (B1)



Extra Microperforated (B3)
Hole size: 0.7mm (.028")

Key Selection Attributes

- Industry's only:
 - Extra microperforated panels provide acoustics with minimal visual interruption
 - 9/16" Tegular panels reduce visibility of grid
- Variety of standard color and pattern options in 2' x 2' Lay-in and Tegular or 2' x 4' Nail-up sizes
- Wide range of decorative accessories
- Coordinating Armstrong grid options
- Additional patterns, fillers and cornices available as custom options; contact Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4

Typical Applications

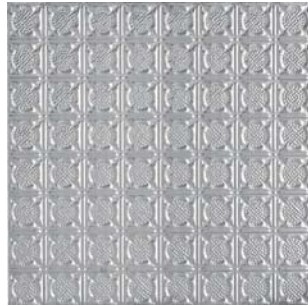
- Retail
- Restaurant
- Hospitality

METALWORKS™ Tin

Patterns – Standard* 2' x 2' (Lay-in or Tegular) or 2' x 4' (Nail-up)



Item 56001



Item 56002



Item 56003



Item 56004



Item 56005



Item 56006



Item 56007



Item 56008

* Only items 56001, 56002, 56003 and 56004 are available with a Tegular edge detail.
NOTE: Panels are directional and must be installed in the same direction.

Finishes (Available on standard and custom patterns, fillers and cornices)



White (TWH)



Chrome (TAM)



Bare Steel (TNA)*



Lacquered Steel (TLS)



Copper (TCP)

♦ Bare Steel is unfinished and must be field painted to prevent tarnishing over time. The Bare Steel finish may contain slight hairline markings that are visible at eye view, but are covered when painted. For customers who desire the look of natural steel, the Lacquered Steel finish is recommended. These tiles are clear lacquered on both sides and come with plastic PVC to prevent scratching. See MetalWorks Tin installation instructions (LA-297442) for more information.

Fillers – Standard 2' x 2' (Lay-in only)



Item 56009

Patterns – Custom 2' x 2' (Lay-in) or 2' x 4' (Nail-up only)



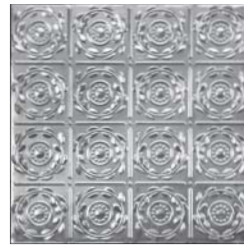
Item 6550



Item 6551



Item 6552



Item 6553



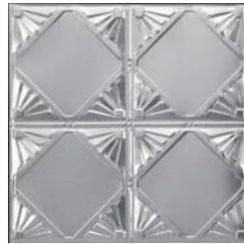
Item 6554



Item 6555



Item 6556



Item 6557



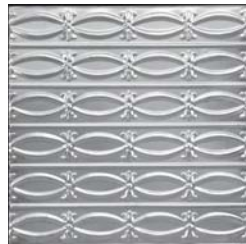
Item 6558



Item 6559



Item 6560



Item 6561



Item 6562



Item 6563



Item 6564



Item 6565



Item 6566



Item 6567



Item 6568



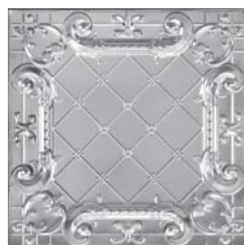
Item 6569



Item 6570



Item 6571

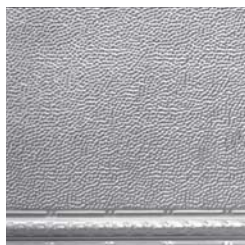


Item 6572



Item 6573

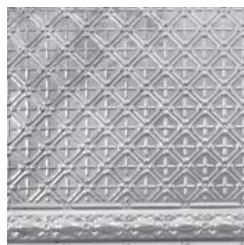
Fillers – Custom 2' x 4' (Nail-up only)



Item 6574
(with 2-1/2" molding)



Item 6575
(with 3" molding)



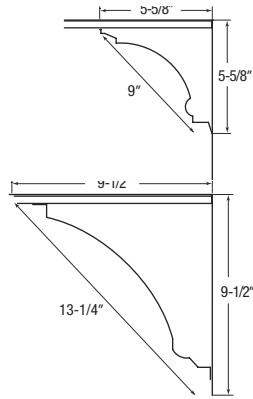
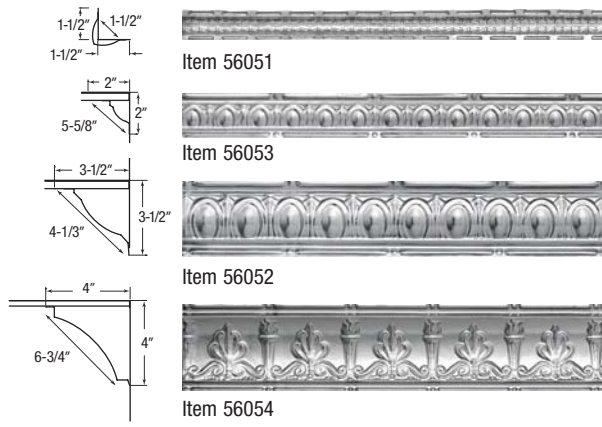
Item 6576
(with 4" molding)



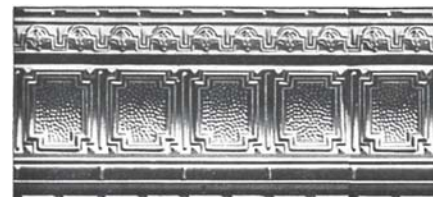
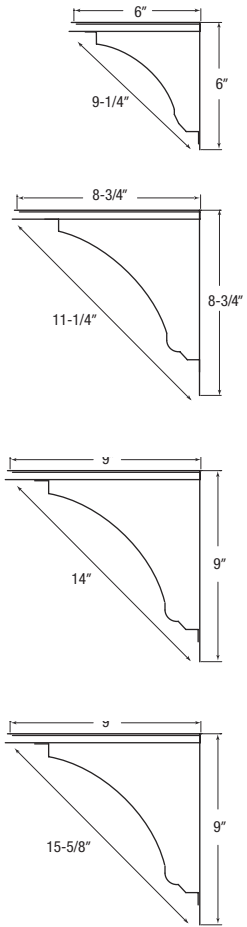
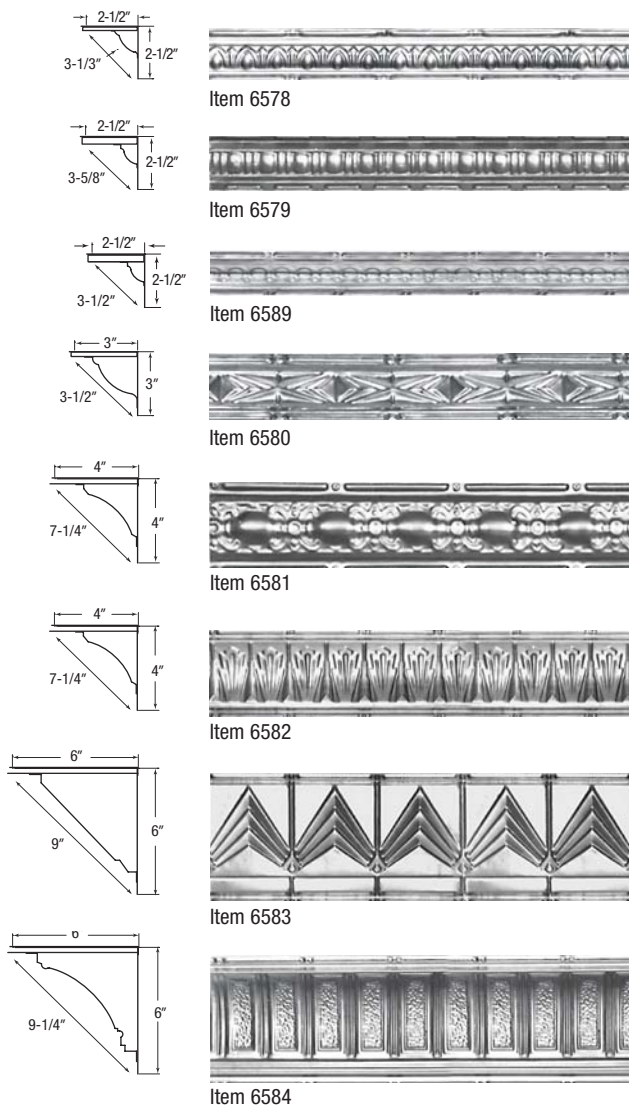
Item 6577

For more information and to order custom patterns, fillers and cornices, please contact the Architectural Specialties team at 1 877 ARMSTRONG, select options 1-1-4

Cornices – Standard (Nail-up only)*



Cornices – Custom (Nail-up only)*



* NOTE: All cornices are 48" long



Nail-up item 56004 in Copper



Lay-in item 56008 in Lacquered Steel



Nail-up item 56005 in Copper

MetalWorks Tin 15/16" Tegular item 56007
Extra Microperforated in Lacquered Steel

ideas reality



Before: Plaster Ceiling

Case Study

Project: Lancaster Dispensing Company

Location: Lancaster, PA

Product: MetalWorks™ Tin Ceiling

Problem: Space suffered acoustically from both high reverberation time and high levels of background noise; owner trying to upgrade the look of the space.

Situation: Plaster ceilings & walls, high ceiling, hardwood floors.

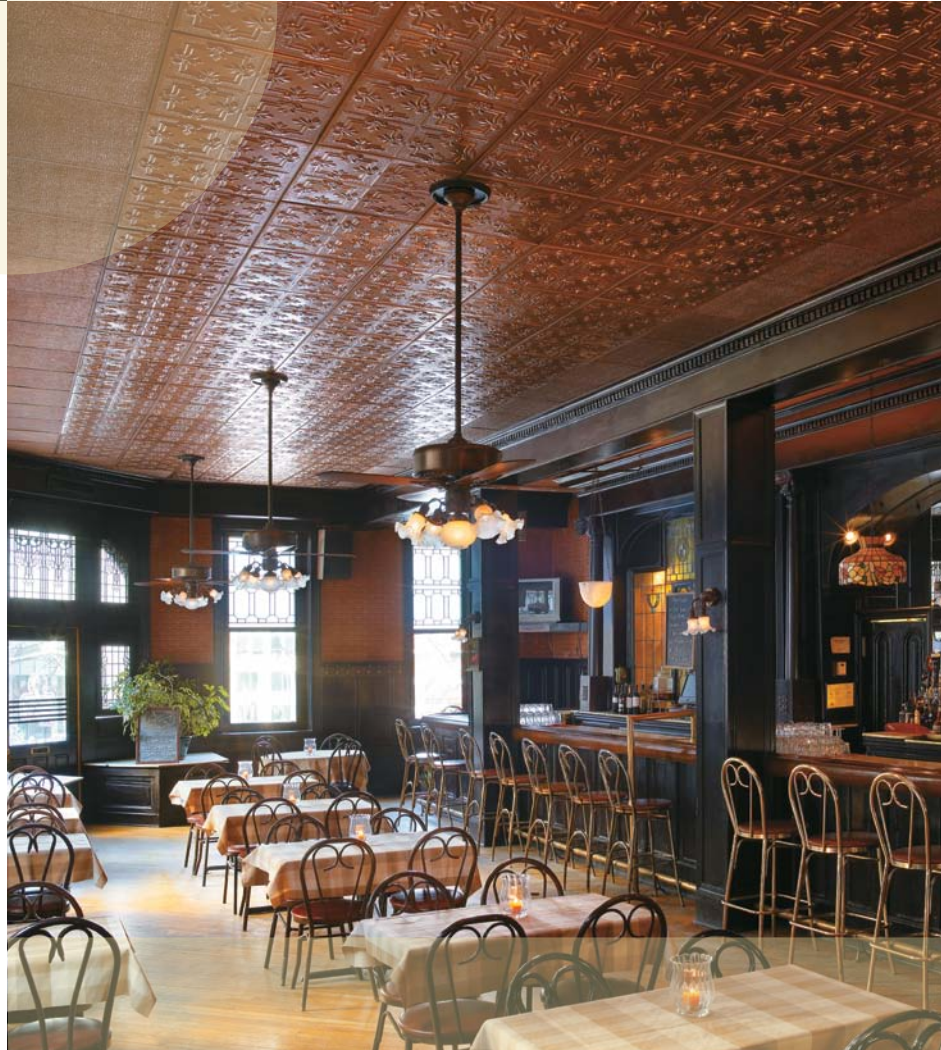
Solution: Installation of extra microperforated acoustical MetalWorks Tin ceiling panels backed with a fiberglass infill, reduced reverberation time by 44% and lowered background noise level up to 7 decibels.

For more information and other acoustical information, visit armstrong.com/tin.

Lancaster Dispensing Company Acoustical Case Study

	Before	After
Reverberation Time (RT)	0.9 seconds	0.5 seconds
RT Reduction	—	44%
Occupied Noise Level in Decibels (dB)	72dB (15-25 people)	65dB (15-25 people)
	72dB (25-30 people)	67dB (25-30 people)
	72dB (30-35 people)	71dB (30-35 people)

After: MetalWorks Tin 9/16" Tegular item 56003 Extra Microperforated in Copper with Filler Lay-in item 56009 Extra Microperforated in Copper



Acoustical Performance

Total acoustical absorption for a suspended ceiling is calculated by multiplying the exposed surface area by the material NRC while “space absorbers” are directly measured. The installation of MetalWorks Tin extra microperforated panels in a reverberant space can significantly reduce the background noise and reverberation time, enhancing speech intelligibility. This can be extremely useful in high-traffic retail and hospitality spaces.

METALWORKS™ Tin

smooth texture

Recycled Content: 25-54%

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
✓	✓

Colors

White (TWH)	Lacquered Steel (TLS)
Chrome (TAM)	Copper (TCP)
Bare Steel (TNA)	

Visual Selection

Performance Selection Dots represent highest level of performance.

Edge Profile	Item Number*	Dimensions	Acoustics NRC	Fire Rating	Light Reflect <small>(White Only)</small>	Durable
METALWORKS Tin Unperforated						
9/16" Lay-in 15/16" Lay-in	56001B1_____	2' x 2' 2' x 4' (Nail-up)	—	Class A	0.77	Scrub • Soil • Wash •
	56002B1_____	2' x 2' 2' x 4' (Nail-up)	—	Class A	0.77	• • •
9/16" Tegular 15/16" Tegular	56003B1_____	2' x 2' 2' x 4' (Nail-up)	—	Class A	0.77	• • •
	56004B1_____	2' x 2' 2' x 4' (Nail-up)	—	Class A	0.77	• • •
Nail-up	56005B1_____	2' x 2' 2' x 4' (Nail-up)	—	Class A	0.77	• • •
	56006B1_____	2' x 2' 2' x 4' (Nail-up)	—	Class A	0.77	• • •
	56007B1_____	2' x 2' 2' x 4' (Nail-up)	—	Class A	0.77	• • •
	56008B1_____	2' x 2' 2' x 4' (Nail-up)	—	Class A	0.77	• • •
	56009B1_____	2' x 2' (2' x 4' Nail-up option custom item 6577)	—	Class A	0.77	• • •
METALWORKS Tin Extra Microperforated (with optional fiberglass infill)						
9/16" Lay-in 15/16" Lay-in	56001B3_____	2' x 2'	0.25 0.85*	Class A	0.77	• • •
	56002B3_____	2' x 2'	0.25 0.85*	Class A	0.77	• • •
9/16" Tegular 15/16" Tegular	56003B3_____	2' x 2'	0.25 0.85*	Class A	0.77	• • •
	56004B3_____	2' x 2'	0.25 0.85*	Class A	0.77	• • •
9/16" Lay-in 15/16" Lay-in	56005B3_____	2' x 2'	0.25 0.85*	Class A	0.77	• • •
	56006B3_____	2' x 2'	0.25 0.85*	Class A	0.77	• • •
	56007B3_____	2' x 2'	0.25 0.85*	Class A	0.77	• • •
	56008B3_____	2' x 2'	0.25 0.85*	Class A	0.77	• • •
	56009B3_____	2' x 2'	0.25 0.85*	Class A	0.77	• • •

* When specifying or ordering, include the appropriate 2-letter edge detail and 3-letter color suffix with the item number. For example: 56001B1L9TNA is item 56001 Unperforated 9/16" Lay-in Bare Steel.
 * NRC 0.85 with optional fiberglass infill (#8200100) when using Lay-in or Tegular panels (not applicable for Nail-up)

NOTE: Field painting extra microperforated panels will affect acoustical performance

Item Numbering Key

Step 1: Choose a Pattern (Item #)	Step 2: Choose a Perforation (2-digit suffix)	Step 3: Choose an Edge detail (2-digit suffix)	Step 4: Choose a Color (3-digit suffix)
<input type="checkbox"/> 56001	<input type="checkbox"/> B1 = Unperforated	<input type="checkbox"/> L9 = Lay-in 9/16"	<input type="checkbox"/> TWH = White
<input type="checkbox"/> 56002	<input type="checkbox"/> B3 = Extra Microperforated	<input type="checkbox"/> L5 = Lay-in 15/16"	<input type="checkbox"/> TCP = Copper
<input type="checkbox"/> 56003		<input type="checkbox"/> T9 = Tegular 9/16"	<input type="checkbox"/> TAM = Chrome
<input type="checkbox"/> 56004		<input type="checkbox"/> T5 = Tegular 15/16"	<input type="checkbox"/> TNA = Bare Steel
<input type="checkbox"/> 56005		<input type="checkbox"/> NU = Nail-up (2' x 4')	<input type="checkbox"/> TLS = Lacquered Steel
<input type="checkbox"/> 56006			
<input type="checkbox"/> 56007			
<input type="checkbox"/> 56008			
<input type="checkbox"/> 56009			

Example: 56001 B1 L9 TAM

METALWORKS™ Tin

smooth texture

Colors

White (TWH)	Lacquered Steel (TLS)
Chrome (TAM)	Copper (TCP)
Bare Steel (TNA)	

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

MetalWorks Tin Color

White (TWH)	Chrome (TAM)	Copper (TCP)	Bare Steel (TNA) Lacquered Steel (TLS)	Bare Steel (TNA) Lacquered Steel (TLS)
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Grid Color

White (WH)	Mirror (AM)	Bronze (BZ)	Silver Satin (SA)	Gun Metal Grey (MY)
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Accessories

Item Number	Description	Dimensions	Color	Pieces/Carton*
56051_ _ _ *	Cornice	1-1/2" x 1-1/2" x 48"	See above	–
56052_ _ _	Cornice	3-1/2" x 3-1/2" x 48"	See above	–
56053_ _ _	Cornice	2" x 2" x 48"	See above	–
56054_ _ _	Cornice	4" x 4" x 48"	See above	–
56055_ _ _	Cornice	5-5/8" x 5-5/8" x 48"	See above	–
56056_ _ _	Cornice	9-1/2" x 9-1/2" x 48"	See above	–
5600_ _ _	Conehead Nails (installs up to 200 SFT per carton)	1-1/4"	See above	–
5600HDC	Hold Down Clips	–	–	1000 pcs/ctn
8200100	Fiberglass Infill Panel	2' x 2' x 1"	Black	12

- * When specifying or ordering, include the appropriate 3-letter color suffix with the item number (56051TAM).
- * Pieces per carton will vary based on order size.

Physical Data

Material

Steel – thickness .010"
For Chrome and Copper panels:
Aluminum – thickness .020"

Surface Finish

Copper and Chrome – plated;
Bare Steel – unfinished;
White – factory-applied powder-coated finish; Lacquered
Steel – factory-applied lacquered finish

Fire Performance

ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. Class A per IBC.

ASTM E1264 Classification

Fire Class – Class A
Unperforated steel ceiling panels –
Type XX, Pattern J, Z
Perforated steel ceiling panels –
Type XX, Pattern C, J, Z

Design Consideration

Due to the characteristics of Tegal edges on Bare Steel is unfinished and must be field painted to prevent tarnishing over time. The Bare Steel finish may contain slight hairline markings that are visible at eye view, but are covered when painted. For customers who desire the look of natural steel, the Lacquered Steel finish is recommended. These tiles are clear lacquered on both sides and come with plastic PVC to prevent scratching. This product, panels may not lay flush.

See armstrong.com/tin for more details.

Backloading Recommendation

Contact TechLine for specific information

Weight; Square Feet/Carton

Steel – 0.80 lbs/SF
Aluminum – 0.38 lbs/SF

Warranty

One (1) year limited warranty. Details: armstrong.com/warranty

Recommended Suspension System

9/16" SUPRAFINE® XL®
15/16" PRELUDE® XL

TechLineSM / 1 877 ARMSTRONG
1 877 276 7876

armstrong.com/tin

CS-3982-511

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