

# ATAS METAL WALL PANELS



## ATAS International, Inc.

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*This is not just a wall panel*

**THIS IS A SOLAR COLLECTOR AND FRESH AIR HEATING SYSTEM  
DARK COLORS WORK BEST FOR HEAT ABSORPTION.**

Preferred InSpire colors: 01, 02, 03, 04, 07, 11, 12, 16, 18, 19, 20, 21, 25, 27, 30 See page 12 for all colors

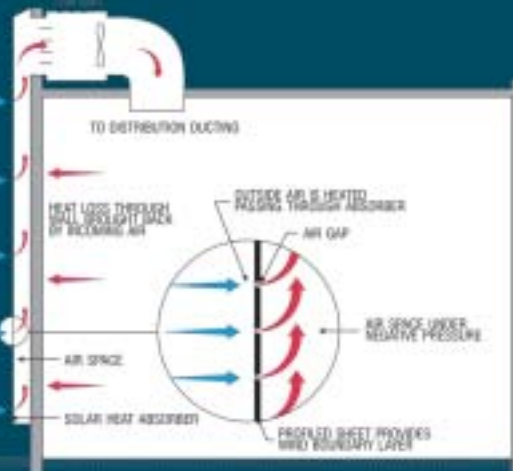
**FUNCTION OF THE INSPIRE WALL SYSTEM**

The InSpire wall panel, a transpired solar collector, is mounted a few inches from the building's outer wall. The precision perforations in the wall panels allow outside air to travel through the face of the panel. Solar heated air at the surface of the panel is drawn through the perforations where it rises between the two walls and enters the building's ventilation system. The InSpire wall panel also helps to cool in the summer by preventing normal solar radiation from striking the building's main wall. Hot air is thermally siphoned up the wall and vented through holes at the top of the system, leaving the main wall cool. By-pass dampers in the summer allow fresh air to be drawn into the building, maintaining indoor air quality.

- Heats Fresh Air
- Utilizes Free Solar Energy
- Lowers Heating Costs by \$3-\$5 per sq. ft. of Panel per year
- Qualifies for LEED® Credits
- Destratification of Indoor Air
- Payback Generally within 3 Years
- Tax Incentives
- Reduces Incoming Drafts
- Reduces "Sick Building Syndrome"
- Converts up to 80% of Solar Energy
- Recaptures Heat Loss through Walls
- Can be Used for Crop Drying
- Helps to Cool in Summer



All InSpire images courtesy of Conservall Engineering



"Transpired Collectors provide the most reliable, best performing, and lowest cost solar heating for commercial and industrial buildings available on the market today."

- US Department of Energy

The InSpire wall panel is available in .032 Aluminum and .027 Zinc. \* 31-1/2" coverage for Zinc. Panels available in Non-Vented. Inquire for Availability

InSpire™ is a trademark of ATAS International, Inc.

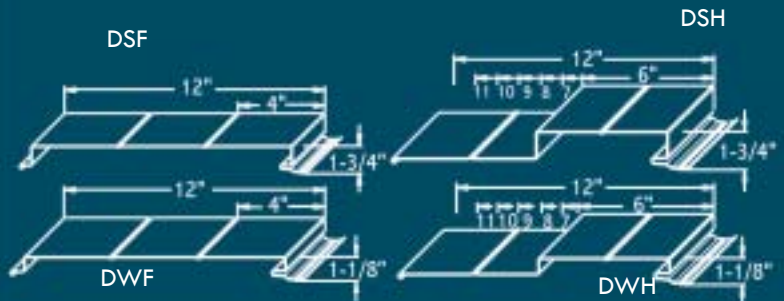




# Design Wall™

07 42 13/ATA  
BuyLine 0302

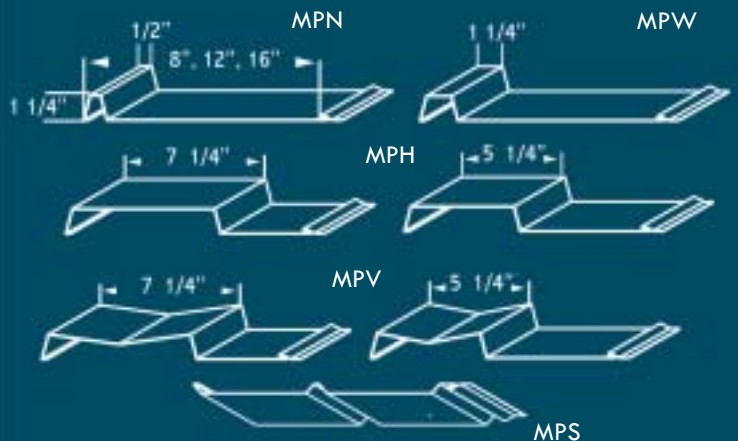
SKU: DSF, DWF, DSH, DWH  
 Gauge: .032, .040, .050 Aluminum  
 24, 22\* ga. G90 galvanized Steel  
 24\* ga. Al-Zn coated Steel with acrylic coating  
 Panel Width: 12" (Specify with or without stiffening ribs.)  
 Panel Length: Cut to customer specifications with a minimum of 3'-0", maximum to transportation limitations.  
 Panel Height: 1-1/8" or 1-3/4"  
 Texture: Embossed, Smooth  
 Finish: KYNAR 500® or HYLAR 5000®  
 Anodized: Clear, Bronze  
 Colors: Choice of 30 standard colors.  
 Accessories: Same gauge and finish as the panel or as specified.  
 \* Subject to minimum quantities and lead time  
 Inquire for Availability



Multi-Purpose™ and Design System™ are trademarks of ATAS International, Inc.

# Multi-Purpose Panels™

SKU: MPN, MPW, MPH, MPV, MPS  
 Gauge: .032, .040 Aluminum  
 24, 22\* ga. G90 galvanized Steel  
 Panel Width: 8", 12", 16"  
 Panel Length: Cut to customer specifications with a minimum of 2'-0", maximum to transportation limitations  
 Panel Height: 1-1/4"  
 Texture: Embossed, Smooth  
 Finish: KYNAR 500® or HYLAR 5000®  
 Anodized: Clear, Bronze  
 Colors: Choice of 30 standard colors.  
 \*Subject to minimum quantities and lead time  
 Inquire for Availability



# metafor™

## arc-metafor™

SKU:	MFP120
Arc-Metafor SKU:	MPX120, MFV120
Gauge:	.032, .040, .050 Aluminum
Panel Width:	12"
Panel Length:	Cut to customer specifications with a minimum of 2'-0", maximum to transportation limitations.
Panel Height:	5/8"
Texture:	Embossed, Smooth
Finish:	KYNAR 500® or HYLAR 5000®
Anodized:	Clear, Bronze
Colors:	Choice of 30 standard colors.
Accessories:	Same gauge and finish as the panel or as specified. Inquire for Availability

ARC-METAFOR, (MFX120 & MFV120) is a 12" structural ribbed panel with Wind-Lok™ fastening system in convex or concave form. The panel is available in .032 aluminum only in 30 colors; clear and bronze anodized. The ARC-METAFOR panel can be installed in a vertical or horizontal fashion.



Metafor™ and Arc-Metafor™ are trademarks of ATAS International, Inc.

# Rigid Wall

## CONCEALED FASTENER PANEL SYSTEM

SKU:	MFR160
Gauge:	.032, .040, .050 Aluminum 22*, 20*, 18* ga. G90 galvanized Steel 22*, 20*, 18* ga. 55% Al-Zn alloy coated Steel
Panel Width:	16" with 1-5/8" ribs
Panel Length:	Cut to customer specifications with a minimum of 6'-0", maximum to transportation limitations.
Panel Height:	7/8"
Finish:	KYNAR 500® or HYLAR 5000®
Anodized:	Clear, Bronze
Colors:	Choice of 30 standard colors.
Accessories:	Same gauge and finish as the panel or as specified. * Subject to minimum quantities and lead time Inquire for Availability





# Concealed Fastener Corrugated

07 42 13/ATA  
BuyLine 0302

New Corrugated Panel with  
Concealed Fasteners  
Arriving Early 2007

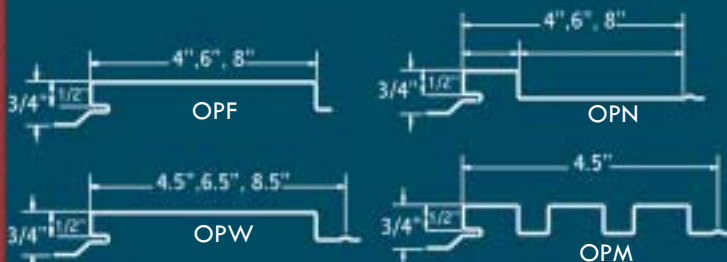
SKU:	New Panel for 2007. Contact ATAS for Details.
Gauge:	.032, .040*, .050 Aluminum 24, 22* ga. G90 galvanized Steel 16* oz. Copper
Panel Width:	16"
Panel Length:	Cut to customer specifications with a minimum of 6'-0", maximum to transportation limitations.
Panel Height:	7/8"
Finish:	KYNAR 500® or HYLAR 5000®
Colors:	Choice of 30 standard colors.
Accessories:	Same gauge and finish as the panel or as specified. * Subject to minimum quantities and lead time Inquire for Availability



# Opaline™

Opaline™ is a trademark of ATAS International, Inc.

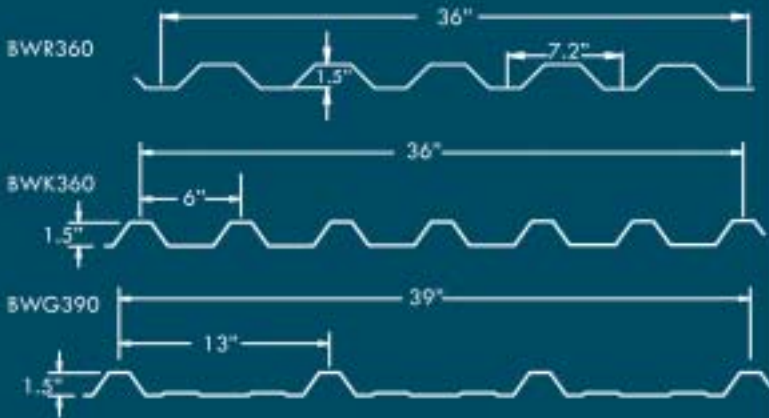
SKU:	OPF, OPN, OPW, OPM
Gauges:	.032 Aluminum, .040 Aluminum 24 ga. G90 galvanized Steel
Widths:	OPF: 4", 6", 8" panels with flush surface OPN: 4", 6", 8" panels with 1" raised rib OPW: 4-1/2", 6-1/2", 8-1/2" panels with 1/2" reveal OPM: 4-1/2" panel with three 1" wide ribs at 1-1/2" o.c.
Length:	a minimum of 1'-6" with a maximum to transportation limit
Height:	3/4"
Finish:	KYNAR 500® or HYLAR 5000®
Anodized:	Clear, Bronze
Colors:	30 standard colors Inquire for Availability



# Belvedere™

SKU:	BWR360, BWK360, BWG390
Gauge:	.032, .040, .050 (BWR 360 only) Aluminum 24, 22* (BWK 360 only) ga. G90 galvanized Steel 24*, 22*, 20* ga. 55% Al-Zn coated Steel
Panel Width:	36" - Rib - BWR360, Short Rib - BWK360 39" - Grand R - BWG390
Panel Length:	Cut to customer specifications with a minimum of 6'-0" maximum to transportation limitations
Panel Height:	1-1/2"
Texture:	Embossed, Smooth
Finish:	KYNAR 500® or HYLAR 5000®
Anodized:	Clear, Bronze
Colors:	Choice of 30 standard colors.
Accessories:	Same gauge and finish as the panel or as specified. * subject to minimum quantities and lead time Inquire for Availability

Belvedere™ is a trademark of ATAS International, Inc.



## SPAN WALL

SKU:	BWS240
Gauge:	.032 (embossed only), .040, .050 Aluminum 24* (embossed only), 22*, 20*, 18* ga. G90 galvanized Steel
Panel Width:	24"
Panel Length:	Cut to customer specifications with a minimum of 9'-0", maximum to transportation limitations.
Panel Height:	4"
Texture:	Embossed, Smooth (depending on material)
Finish:	KYNAR 500® or HYLAR 5000®
Colors:	Choice of 30 standard colors.
Accessories:	Same gauge and finish as the panel or as specified. * subject to minimum quantities and lead time Inquire for Availability



# Corrugated Panels

## Curved Corrugated Panel



SKU:	BWC374, Curved - BWX374, BWV374
Gauge:	.032, .040, .050 Aluminum 24*, 22*, 20*, 18* ga. G90 galvanized Steel 16* oz., 20* oz. Copper (BWC374 only) 18*, 20*, 22* ga. 55% Al-Zn alloy coated Steel
Panel Width:	37-1/4"
Panel Length:	cut to customer specifications with a minimum of 6'-0", maximum to transportation limitations
Panel Height:	7/8"
Texture:	Embossed, Smooth
Finish:	KYNAR 500® or HYLAR 5000®
Anodized:	Clear, Bronze
Colors:	Choice of 30 standard colors.
Accessories:	Same gauge and finish as the panel or as specified. *subject to minimum quantities and lead time ** 55% Al-Zn coated Steel available. Inquire for Availability

This panel (BWV & BWX) can be curved convex, concave, horizontal or vertical. Minimum radius is 10'-0".



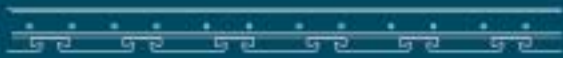
SKU:	HCT160
Gauge:	.032 Aluminum, .028 Zinc, 16 oz. Copper
Panel Size:	15-3/4" by 15-3/4"; actual exposure is 13-1/2" by 13-1/2"
Finish:	KYNAR 500® or HYLAR 5000®
Anodized:	Clear, Bronze
Texture:	Embossed (Aluminum only), Smooth (Copper and Zinc only)
Color:	30 standard colors in aluminum only
Accessories:	A complete line of trim (ridge, hip, valley, edge) is available in matching colors.
Fasteners:	Concealed fasteners Inquire for Availability



CastleTop® is a registered trademark of ATAS International, Inc.

# LINEAR CEILING™

**Box Style SKU:** LCB338, LCB738, LCB120  
**Round Edge SKU:** LCR338, LCR738, LCR120  
**Gauge:** .019, .024, .032 Aluminum  
**Panel Width:** 3-3/8", 7-3/8", or 11-3/8"  
**Panel Length:** cut to customer specifications with a minimum of 8'-0" and a maximum of 45'-0"  
**Panel Height:** 5/8"  
**Texture:** Smooth  
**Anodized:** Clear, Bronze  
**Colors:** Choice of 30 standard colors in KYNAR 500® or HYLAR 5000® in .032 Aluminum; 6 colors available with Siliconized Polyester Finish in .019 Aluminum; .024 Aluminum white only in Siliconized Polyester finish.  
**Accessories:** Suspended carrier, flush or recessed filler strips.  
 Inquire for Availability



**CARRIER**  
**METAL:** Aluminum **GAUGE:** .040  
**LENGTH:** Standard 12'  
**SPLICES:** Same as carrier



# Wind-Lok™

**SKU:** MPS120, MPV120  
**Gauge:** .019, .024, .032 Aluminum  
**Panel Width:** 12"  
**Panel Length:** Standard length is 12'-0", special lengths are available with a 8'-0" minimum  
**Panel Height:** 3/8"  
**Texture:** Embossed, Smooth  
**Anodized:** Clear, Bronze  
**Colors:** Choice of 30 standard colors in KYNAR 500® or HYLAR 5000® in .032 Aluminum; 6 colors available with Siliconized Polyester Finish in .019 Aluminum; .024 Aluminum white only in Siliconized Polyester finish.  
 Inquire for Availability

Wind-Lok™ & Linear Ceiling™ are trademarks of ATAS International, Inc.







# STRUCTURAL ATA-TRUSS™

Our structural U's are roll formed of galvanized steel or light-weight, heavy-duty aluminum. Although strong, these sturdy U's add a minimum of weight to the roof, mansard, or fascia structure. The HAT sections are used for the main frames and the installation rails. The U channels are used for cross-bars and connectors between the HATS. Installed with self-tapping screws, the applications are endless. The structural U and HAT sections or subgirt can be used effectively for framing and equipment screens. The design of actual framing should be reviewed and certified by a local engineer.

Material:	.050 Aluminum; 18 and 24 ga. G90 Galvanized Steel
Shapes:	Structural U's and Hat Sections & Subgirts
Lengths:	Standard lengths 12' and 24'
Use:	Framing of mansard, fascia, soffit edge, and equipment screens. Inquire for Availability



# STRUCTURAL ATA-FRAME™

ATA-Frame can be applied to almost any building and/or roof. The easy installation can be accomplished with a minimal disruption for the tenants. The relatively light weight of the ATA-Frame and the metal roof panel add a minimum of dead load to the structure, possibly eliminating removal of the old roof. ATAS offers an extensive line of architectural and structural panel systems which can be applied to the ATA-Frame. This will allow ATAS to be the single source supplier for your project.

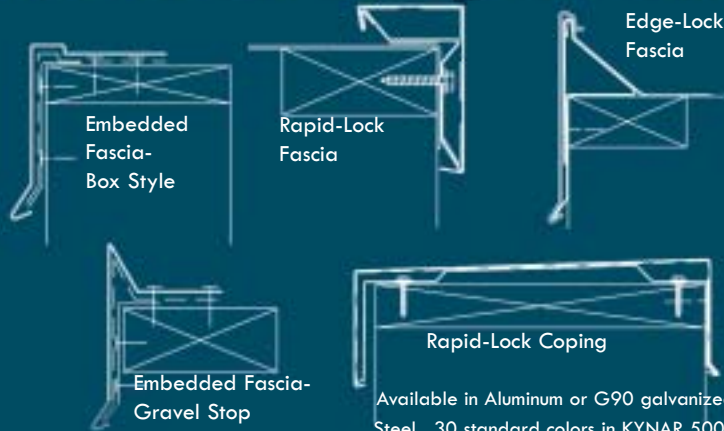
ATA-Frame gives freedom of design for equipment screens, wind screens, reroofing and penthouse enclosures.

Assembly Required  
Inquire for Availability

**SIMPLICITY - STRENGTH  
VERSATILITY - LIGHTWEIGHT  
CUSTOM ENGINEERED**

# ROOF ACCENTS

## Perimeter Edge Trim



Embedded Fascia-Box Style

Rapid-Lock Fascia

Edge-Lock Fascia

Embedded Fascia-Gravel Stop

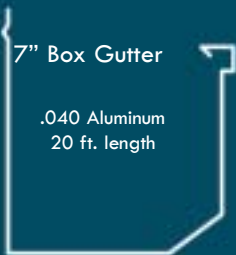
Rapid-Lock Coping

Available in Aluminum or G90 galvanized Steel. 30 standard colors in KYNAR 500®

or HYLAR 5000® finish coordinate or contrast with any ATAS roof system. Inquire for Availability



## Heavy Duty Rainware



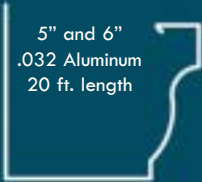
7" Box Gutter

.040 Aluminum  
20 ft. length

Custom Box Gutter

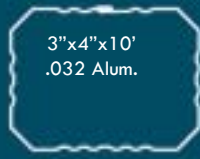
custom width  
.032, .040, .050  
Aluminum and  
24 ga. Steel  
12, 20, & 40 ft.  
length

K Gutters



5" and 6"  
.032 Aluminum  
20 ft. length

Downspout



3"x4"x10'  
.032 Alum.

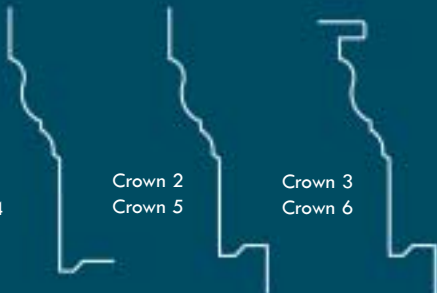
Inquire for Availability



## Crown Line™ Decorative Trim

Crown Line™ trim has a seamless length of 12'-0". Specify size of substrate and type of application. Contact ATAS for dimensions.

Inquire for Availability



Crown 1  
Crown 4

Crown 2  
Crown 5

Crown 3  
Crown 6



# ATAS METAL WALL PANEL SPECIFICATIONS

	Pg	SKU	Width to the Weather	Height/Size Range	Gauge & Material Information below includes standards only. See product page for specials.	Length+++ Min. Max.	Pitch	Test/ Rating ++++	Texture
Inspire	2	BWS390 BWS392	39-3/8"	1-1/4"	.032 alum. .027 zinc	Customer specify +++	Wall Only	1-10-16	Perforated
Multi-Purpose	3	MP_	8" 12" 16"	1-1/4"	.032,.040 alum. 24 ga steel	Customer specify 2' +++	3:12	1-2-3-4-5-10-15-16-18	Smooth & Embossed
Design Wall	3	DSF120 DSH120 DWF120 DWH120	12"	1-3/4" 1-1/18"	.032, .040 alum. 24 ga steel	Customer specify 3' +++	Wall Only	1-2-4-5-10-15-16	Smooth & Embossed
Metafor	4	MFP120	12"	5/8"	.032, .040 .050 alum	Customer specify 2' +++	3:12	1-10-15-16	Smooth & Embossed
Arc-Metafor	4	MFV120 MFX120	12"	5/8"	.032 alum.	Customer specify N/A	Min. rad. 2'-9" 4'	1-10-15-16	Smooth & Embossed
Rigid Wall	4	MFR160	16"	7/8"	.032, .040, .050 alum.	Customer specify 6' +++	Wall Only	1-2-4-5-10-15-16	Smooth & Embossed
Opaline	5	OP_	4",6",8" 4-1/2", 6-1/2" 8-1/2"	3/4"	.032, .040, alum. 24 ga steel	Customer specify 1'-6" +++	Wall Only	1-10-15-16	Smooth & Embossed
Concealed Fastener Corrugated	5	NEW for 2007	16"	7/8"	.032, .050 alum. 24 ga. steel	Customer specify 6' +++	Wall Only		Smooth
Belvedere Wall Systems	6 & 7	BWS240 BWR360 BWK360 BWG390 BWC374	24" 36" 36" 39" 37-1/4"	4" 1-1/2" 1-1/2" 1-1/2" 7/8"	.032,.040 .050 alum. 24 ga. steel	9' +++ 6' +++ 6' +++ 6' +++ 6' +++	Wall Only	1-2-4-5-10-14-15-16	Smooth & Embossed
Curved Corrugated	7	BWX374 BWW374	37-1/4"	7/8"	.032, .040, .050 alum. 24 ga. steel	Customer specify 6' +++	Min. rad. 10'	1-2-10-15-16	Smooth & Embossed
CastleTop Shingle	7	HCT160	13-1/2" x 13-1/2"	1/2"	.032 alum. 16 oz. copper .028 zinc	Modular	3:12	2-10-12-13-14-15-16	Smooth & Embossed
Ceilings & Soffits	8	LCR_ LCB_ MPV120 MPS120	3-3/8" - 7-3/8" - 11-3/8" - 12"	5/8" 3/8"	.019, .024, .032 alum.	Customer specify 8' 45' 8' +++	N/A	1-10-15-16	Smooth Only Smooth & Embossed

Test/Rating Chart	
1 Load Tables	10 Field Tested
2 UL 790/ ASTM E108	11 ASTM E 1592
3 UL 580	12 PA 100-95 (R&D only)
4 ASTM E 283	13 UL 1897
5 ASTM E 331	14 UL 2218
6 ASTM E 1646	15 ASTM E 84 Flame Spread Rating
7 ASTM E 1680	16 Paint Perfm. Tests
8 ASTM E 330	17 ICBO AC166 Penetra.
9 ICC ES Report	18 AAMA 501.1

**Notes:**

+++ The maximum length of the panels is restricted by the transportation limitations.

++++ Testing results, calculations and ratings available from the manufacturer. See chart. Not every panel in each category has been tested.

ATAS's professional staff is able to assist in the design or provide shop drawings for your project. Final choice of materials and installation is the responsibility of the owner, architect and/or the owner's agent. ATAS International, Inc. cannot be held responsible for the ultimate selection or the installation of those materials. Due to slight stresses created by a variety of conditions, from atmospheric to installation, panels may have a wavy appearance (oil canning)

after installation. The greater the flat area of the panel, the greater is the potential for slight imperfections to be noticed. This condition is beyond ATAS's control, consequently, oil canning or distortion of the product is not a valid reason for rejection of materials. (Refer to ASTM E 1514 and ASTM E 1637.) ATAS reserves the right to modify, eliminate and/or change its products without prior notification. ATAS cannot be held responsible for errors in line drawings and typesetting. Inquire for Availability.



# ATAS International, Inc. Color Chart

## Stock Colors



BLACK (02)



CLASSIC BRONZE (01)



MEDIUM BRONZE (03)



CHOCOLATE BROWN (04)



BOYSENBERRY (25)



REDWOOD (07)



BRITE RED (17)



MISSION RED (08)



RAWHIDE (15)



CONCORD CREAM (05)



SIERRA TAN (09)



SANDSTONE (06)



BONE WHITE (26)



ASCOT WHITE (10)



DOVE GREY (13)



SLATE GREY (20)



ROCKY GREY (16)



SLATE BLUE (21)



SIAM BLUE (14)



REGAL BLUE (18)



TEAL (19)



MINT GREEN (22)



HEMLOCK GREEN (30)



PATINA GREEN (12)



FOREST GREEN (11)



HARTFORD GREEN (27)

### PREMIUM ANODIZED FINISHES



CLEAR (70)



DARK BRONZE (71)

### PREMIUM FINISHES



COPPERTONE (23)



SILVERSMITH (28)



ANTIQUÉ PATINA (24)



CHAMPAGNE (31)

### MILL FINISH



55% Al-Zn COATED STEEL WITH ACRYLIC COATING (97)

KYNAR 500® is registered trademark OF Atafina Chemicals Inc.  
HYLAR 5000® is registered trademark OF Ausimont.

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Colors are as close to the actual colors as modern printing allows. Exact color chips on request; this is a requirement for all premium colors. If you have requirements or preference for colors or finishes other than shown here, contact ATAS. ATAS is not responsible for colors selected from this chart. Color availability varies by material, gauge, and profile. ENERGY STAR® compliant colors available. Contact ATAS for more information. ATAS reserves the right to modify, eliminate, and/or change its products without prior notification. Drawings are not to scale.

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