Versatile metal wall panels that provide aesthetic and sustainable benefits.

INSPIRE®
SOLAR AIR HEATING AND DRYING.
DESIGN VERSATILITY

Transpired solar air heating technology can be utilized on a
number of ATAS panel profiles to accommodate your design goals.

SKU:
BWS390, BWS392

Material:
.032 aluminum,
.7 mm zinc*

Panel Coverage:
39 3/8", 31 1/2" (zinc)

Minimum Panel Length:
6'-0"

Maximum Panel Length:
40'-0"

Panel Depth:
1 1/4"

Texture:
Smooth with precision-lanced micro
perforations

Finish:
70% PVDF

Colors:
To view our selection of solar efficient
colors and absorptivity rates,
visit www.inspirewall.com

Accessories:
A complete line of trims available in
matching colors, gauge, and finish or as
specified.

Fasteners:
Exposed (standard)
Concealed (upon request)

*Subject to minimum quantities and extended lead time. Inquire for
material and panel coverage availability.
FEATURES:
Sustainability
• Heats fresh air
• Lowers heating costs by $1.50 to $5.50 per sq. ft. of panel per year
• Utilizes free solar energy
• Converts up to 80% of solar energy
• Recaptures heat loss through building wall
• Beneficial in summer
• Contributed toward potential LEED® credits
• Favorable tax incentives
• ATAS is the only US-based manufacturer of transpired collectors

Features
• 0.032 aluminum
• 0.7mm zinc (31 1/2” coverage for zinc)
• Color variety
• 70% PVDF finish
• Contributes to a building’s health and wellness by improving indoor air quality.

Testing & Certifications
• SRCC OG-100
  – Solar Rating and Certification Corporation
  – Solar collector thermal performance testing, analysis, and certification
  – Standard 100
• Highest Heat Gain
  – Third party independent testing verified highest heat gain in the industry
• Highest Performance Factor per RETScreen® Energy Modeling & Performance Analysis

“Transpired collectors provide the most reliable, best performing, and lowest cost solar heating for commercial and industrial buildings available on the market today.”
— U.S. Department of Energy

HOW IT WORKS
Sunlight strikes the surface of the InSpire® solar air heating panel, which is mounted a few inches from the building’s outer wall

Process
• Panels are mounted a few inches from the building’s outer wall
• Solar heated air at the surface of the panel is drawn through precision-lanced micro perforations
• Warm air rises between the two walls and enters the building’s central ventilation system or supply fan

Design Versatility
• Inquire for additional wall panel options (concealed or exposed fastener) to accommodate specific design goals

Summer Usage
• Helps to reduce the cooling load 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 cooler
• During the evening, bypass louvers allow cool fresh air to be drawn into the building, maintaining indoor air quality
SOLAR EFFICIENT COLORS / SOLAR ABSORPTIVITY

Black .95
Classic Bronze .91
Dark Bronze Anodized .85
Regal Blue .75
Forest Green .75
Hartford Green .75
Antique Patina .74
Chocolate Brown .73
Charcoal Grey .72
Boysenberry .72
Rocky Grey .72
Redwood .71
Teal .70
Hemlock Green .70
Slate Blue .69
Medium Bronze .68
Siam Blue .66
Brite Red .63
Slate Grey .61
Patina Green .57

Notes: The colors above are representative and may vary slightly from actual colors. Prior to making final selections, please request actual color chip samples. All information is subject to change without notice.

Inspire is a patent pending registered trademark of ATAS International, Inc.

Contact ATAS for more information. ATAS reserves the right to modify, eliminate and/or change its products without prior notification.

Visit inspirewall.com for more information and to view the real-time stats.