

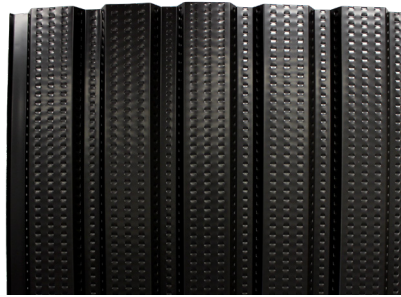
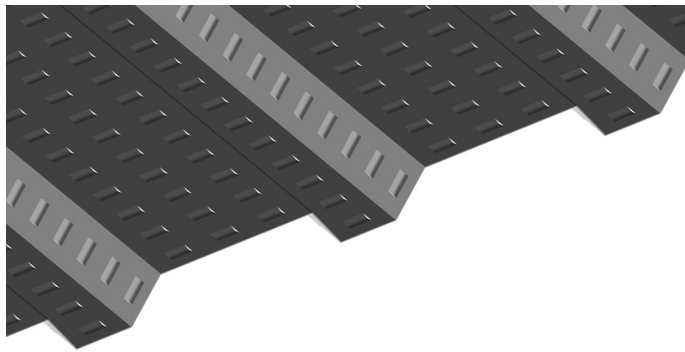


**ATAS International, Inc.**  
Sustainable Building Envelope Technology

**INSPIRE<sup>®</sup>**

Solar Air Heating & Drying





InSpire® BWS390 panel with precision lanced micro perforations

## INSPIRE® & INSPIRE® HP

SKU: BWS390, BWS392

### MATERIAL

.028" aluminum in Selective Finish only & .032" aluminum in PVDF colors only

### PANEL SPECS

Coverage: 39<sup>3</sup>/<sub>8</sub>"  
 Minimum Length: 6'-0"  
 Maximum Length: 40'-0"  
 Depth: 1<sup>1</sup>/<sub>4</sub>"

### TEXTURE

Smooth with precision-lanced micro perforations

### FINISH

70% PVDF, Select Blue & Select Black (InSpire HP)

### COLORS

To view our selection of solar efficient colors and absorptivity rates, visit [www.inspirewall.com](http://www.inspirewall.com)

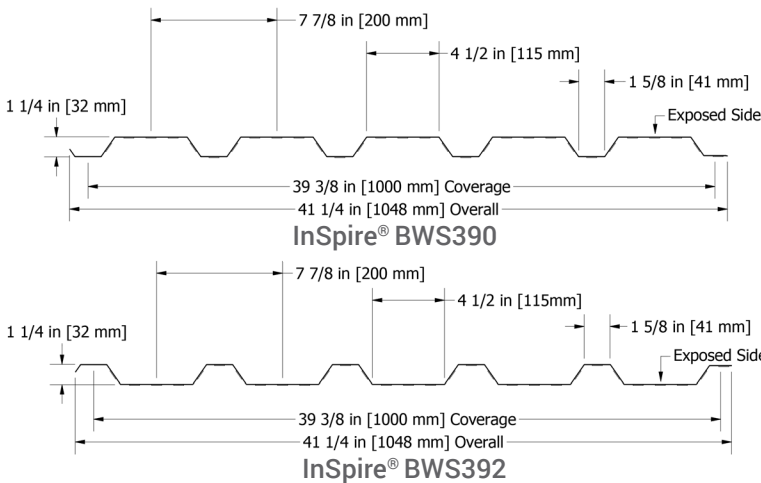
### ACCESSORIES

A complete line of trims available in matching colors, gauges, and finishes or as specified

### FASTENERS

Exposed (standard)  
 Concealed (upon request)

\*Subject to minimum quantities and extended lead time. Inquire for material and panel coverage availability.



InSpire® HP  
 Select Blue  
 BRIGHTSMITH Coaters  
 Morrisville, PA



SCAN TO VIEW REAL-TIME  
 PERFORMANCE DATA  
 or visit [www.inspirewall.com](http://www.inspirewall.com)

## 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
- Contributes toward potential LEED® credits
- Favorable tax incentives
- ATAS is the only US-based manufacturer of transpired collectors

### FEATURES

- .032 aluminum
- Color variety
- 70% PVDF finish, Select Blue & Select Black
- Contributes to a building's health and wellness by improving indoor air quality

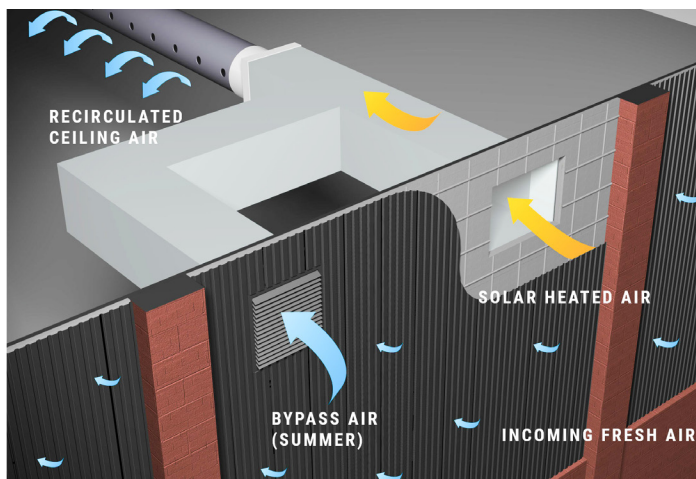
### TESTING & CERTIFICATIONS

- 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

We are now offering InSpire HP in a new finish, Select Blue & Select Black! What is a selective surface? It's an optical coating applied to the surface of an element of a solar energy device to reduce thermal radiation losses through low emissivity of finish. This increases yearly output by more than 30% over any traditional paint finish. Use InSpire HP to enhance absorptivity and efficiency to an already solid foundation of the solar collector. Learn more at [www.inspirewall.com](http://www.inspirewall.com).

## HOW INSPIRE WORKS

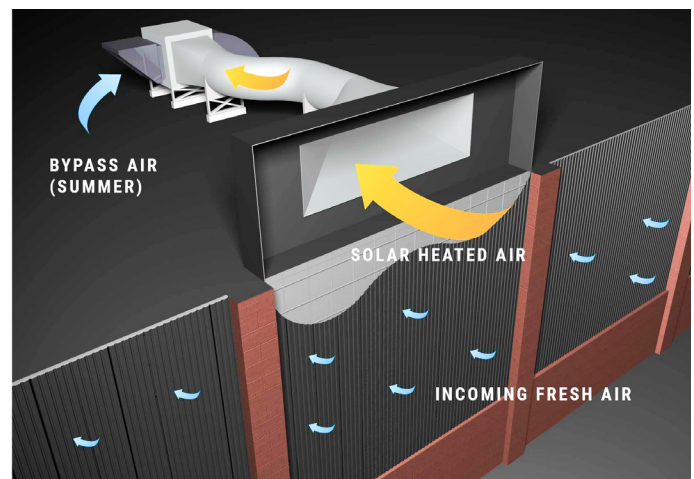
### STAND ALONE SYSTEM



- Collector is linked to a stand-alone fan with modulating dampers to maintain constant air supply temperature and air flow
- Often found in industrial buildings and warehouses

An intake fan creates a pressure drop inside the plenum, pulling the warmed air through the perforated panel and into the fan. From there the warm air travels through a perforated sock or duct, distributing the air throughout the building.

### MAKE-UP AIR PREHEATING SYSTEM



- Collector is located upstream of air handling unit to directly preheat incoming outside air
- Often found in schools and industrial buildings
- Perfect for spray paint booths, driers, 100% outside air systems, clean rooms, etc.

If a building requires outside make up air and it's located in a climate that has a heating season, this system aids in lowering a portion of the energy that normally would go towards heating the outside make-up air. This system does not replace the primary heat source but acts as a supplement, reducing the workload of the normal heating system.

# INSPIRE® COLOR CHART

Solar Efficient Colors | Solar Absorptivity



Black (.95)



Char Brown\* (.76)



Matte Black\* (.91)



Classic Bronze (.88)



Dark Bronze Anodized (.85)



Thunder Grey\* (.74)



Redwood (.76)



Hartford Green (.75)



Antique Patina (.74)



Chocolate Brown (.74)



Rocky Grey (.71)



Regal Blue (.73)



Boysenberry (.72)



Forest Green (.72)



Charcoal Grey (.71)



Siam Blue (.66)



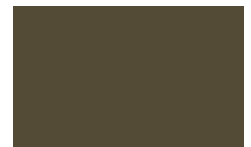
Teal (.70)



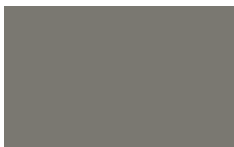
Hemlock Green (.70)



Slate Blue (.69)



Medium Bronze (.67)



Slate Grey (.60)



Anchor Grey\* (.61)



Mission Red (.59)



Brite Red (.59)



Select Black\* (.94)



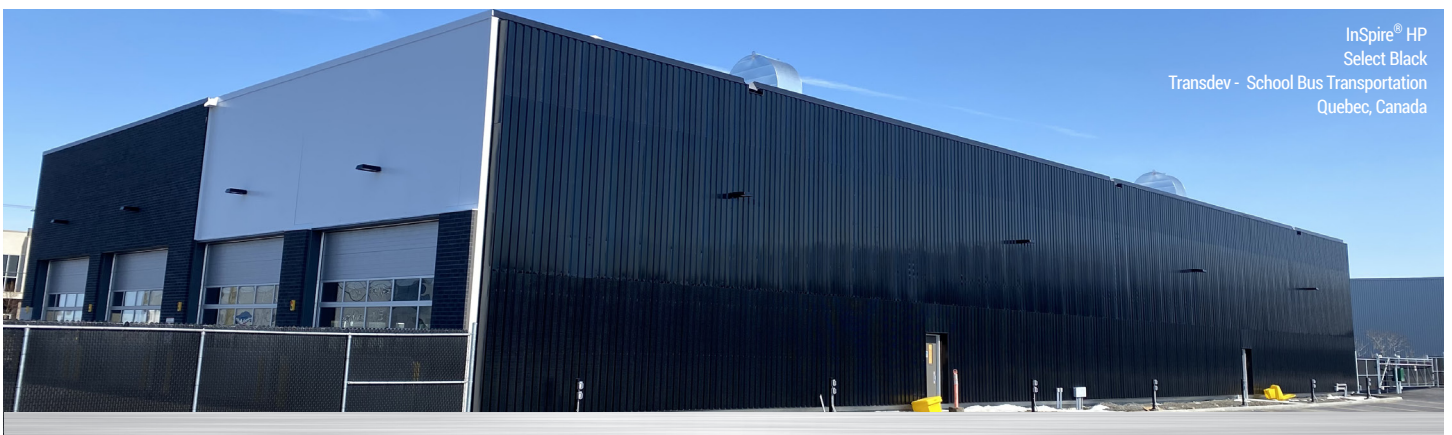
Select Blue\* (.94)

\*Denotes colors in a matte finish | 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.

\*Denotes InSpire® HP select surface colors



InSpire® HP  
Select Black  
Transdev - School Bus Transportation  
Quebec, Canada

ATAS International, Inc.

Allentown, PA | Mesa, AZ | University Park, IL

www.inspirewall.com | www.atas.com | 800.468.1441

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