

# Rockfon® Spanair® Torsion Spring Panel System

## Features & Benefits

- Concealed system allows for downward accessibility of panels without disturbing panel alignment.
- Standard sizes for Torsion Spring are 2' x 2', 2' x 4', 2' x 6' and 2' x 8'.
- Torsion Spring panels are available in Painted, Anodized, Woodlands, Metalwood®, and Woodscenes® finishes, and have options for a wide variety of perforations.
- For use in all seismic design categories.
- GREENGUARD Gold certification available with Woodlands™ woodgrain finishes.

## Applications

- Airports
- Passenger Terminals
- Corridors
- Assembly Halls
- Convention Centers
- Stadiums



Project – Dannelly Composite Operations and Training Facility's Auditorium  
Product – Rockfon® Spanair® Torsion Spring Panels

# Rockfon® Spanair® Torsion Spring Panel System

## LEED® v4.1 Highlights

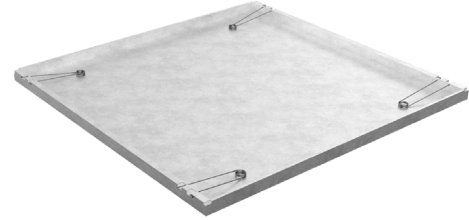
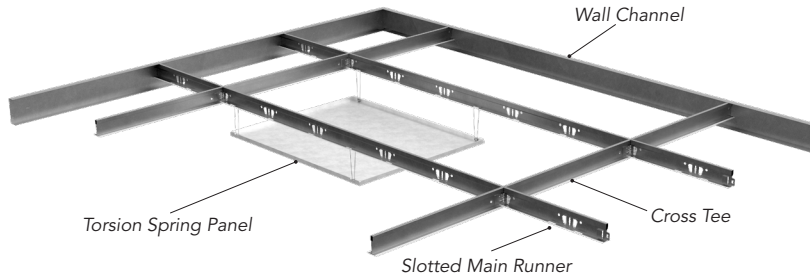
### Materials and Resources (MR)

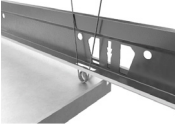
- Waste Management Planning ✓
- Interiors Life Cycle Impact Reduction ✓
- Environmental Product Declarations ✓
- Sourcing of Raw Materials ✓
- Material Ingredients -
- Waste Management ✓

### Indoor Environmental Quality (EQ)

- Low-Emitting Materials ✓
- Interior Lighting -
- Acoustic Performance ✓

**Recycled Content:** 78% Aluminum  
30% Steel



Family Number & Name	Edge Type	Dimensions		Perforations (% Open Area)	Material	NRC	Fire Class	Low VOC	Recycled Content
		Width (w)	Length(l)						
<b>252589:SPAN:</b> Spanair® Metal Panel	<p><b>STSP:</b> Torsion Spring Panel</p>  <p>Interior (24x24, 24x48) - 1" Deep Interior (24x72, 24x96) - 1-1/2" Deep Exterior - 1-1/2" Deep</p>	24"	(w) x 24: 24" (w) x 48: 48" (w) x 72: 72" (w) x 96: 96"	<p>Standard</p> <p><b>SOLID:</b> 0%</p> <p><b>D:</b> 16.2%</p> <p><b>E:</b> 20.8%</p> <p><b>J:</b> 58.2%</p> <p><b>Q:</b> 70%</p> <p><b>R:</b> 11.1%</p> <p><b>V:</b> 4.9%</p> <p><b>AA:</b> 2.5%</p> <p>Premium see footnote*</p> <p>Custom</p> <p><b>CUST:</b> **</p>	.40AL: 0.040" Aluminum****	up to 0.90***	A	✓	78%

Product Code Example:

**252589:SPAN:STSP:24x48:.40AL:V:44:Y**

Family Number & Name: 252589 Spanair® Metal Panel      Size: 24x48      Perforation: V      Acoutex: Yes or No: Y

**252589:SPAN:**   **STSP:**   **24x48:**   **.40AL:**   **V:**   **44:**   **Y**

Edge Type: Torsion Spring      Material: 0.040" Aluminum      Color: Satin Silver

## Rockfon® Spanair® Torsion Spring Panels are approved for use in all Seismic Design Categories.

For exterior installations, use 2' x 2', 2' x 4' or 2' x 6' non-perforated panels. Special installation details will apply.

### Custom panel sizes available – Contact Rockfon® for information

- \* See the Rockfon Perforations Brochure for graphic representations of the perforations listed and the complete offering of Premium Perforations available.
- \*\* For designer specified Perforation, contact Rockfon Technical Services at 1-800-323-7164 or techservices@rockfon.com.
- \*\*\* NRC values are dependent on perforation patterns, plenum depth and acoustical backer options. Contact Rockfon Technical Services for more information at 1-800-323-7164 or techservices@rockfon.com.
- \*\*\*\* Woodlands™ woodgrain finishes standard in 0.032" Aluminum. Woodlands are standard for 24"x24" and 24"x48" Spanair Torsion Spring Panels only.

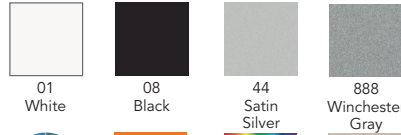
### Note :

- Acoutex™ Backer standard with perforated panel.
- Perforated panel available without Acoutex.
- This system is not approved for exterior use.

# Rockfon® Spanair® Torsion Spring Panel System

## Color Chart

### Standard Colors



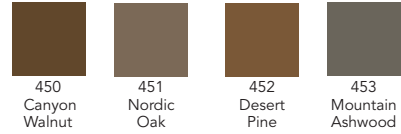
### Other Painted Colors



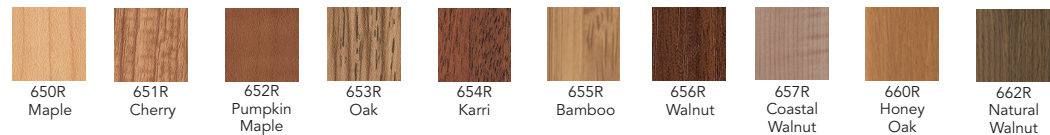
### Woodlands™ Wood-Look



### Woodlands™ Solid Coordinating Colors



### Metalwood™ Wood-Look Finishes (Interior Use Only)



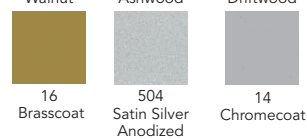
### Metalwood™ Solid Coordinating Colors



### Woodscenes™ Wood Look Powdercoat Finishes



### Anodized Finishes



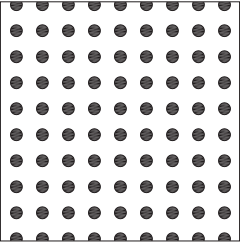
Colors shown are reproduced as close as possible to actual product color within the limitations of printing technology. Color chips are available upon request and should be reviewed before making a final selection. Variations in color matches of system components to ceiling panels can result from slight differences in texture, room lighting, painting process and subjectivity of observers.

As stated in Cisca's "Metal Ceilings Technical Guidelines," site conditions can impact installed visual appearance of metal ceilings. Usage of high gloss and metallic finishes in areas of critical lighting may alter final appearance and should be considered for finish selection.

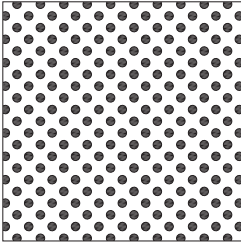
- GREENGUARD Gold certification available with Woodlands™ woodgrain finishes.
- All Wood Look finishes will have the grain pattern applied parallel to the length of the panel.
- Metalwood Woodgrain finishes are a 0.008" vinyl laminate which replicates the look of real wood.
- Woodscenes finishes are a decorative powdercoat finish replicating real wood.
- Woodlands and Woodscenes finishes are suitable for interior and exterior use.
- Metalwood finishes are for interior use only.

# Rockfon® Spanair® Torsion Spring Panel System

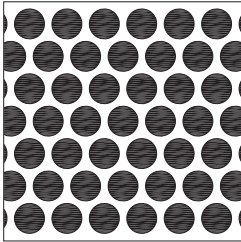
## Standard Perforation Options



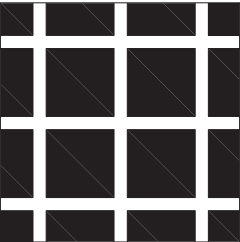
**D**  
**98R216L**  
0.098" Diameter Holes  
0.216" Straight Centers  
16.2% Open Area



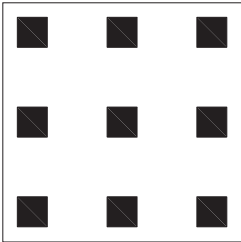
**E**  
**71R138D**  
0.071" Diameter Holes  
0.138" Diagonal Centers  
20.8% Open Area



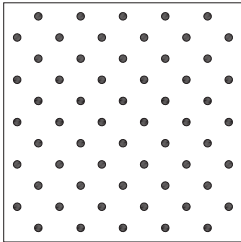
**J**  
**250R312S**  
0.25" Diameter Holes  
0.312" Staggered Centers  
58.2% Open Area



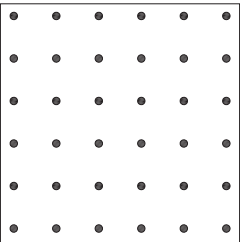
**Q**  
**562S672L**  
0.5625" Square Holes  
0.672" Straight Centers  
70% Open Area



**R**  
**250S750L**  
0.25" Square Holes  
0.75" Straight Centers  
11.1% Open Area



**V**  
**62R250D**  
0.0625" Diameter Holes  
0.25" Diagonal Centers  
4.9% Open Area



**AA**  
**62R354L**  
0.0625" Diameter Holes  
0.354" Straight Centers  
2.5% Open Area

See the Rockfon Perforations Brochure for graphic representations of the perforations listed and the complete offering of Premium Perforations available.




### Acoustical Performance

Spanair® Torsion Spring Panels	Torsion Spring Concealed Panels
NRC - Perforated with Acoutex™ Backer	0.70
NRC - Perforated with 1-1/2" Acoustical Pad	0.90

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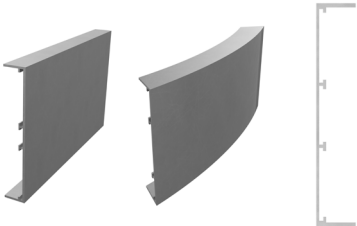
## Suspension Components

### Main Carriers 12'

Detail	Description	Catalog Number	Rockfon Part Number	Length	Height
<b>Main Runners</b>					
	HD Main runner 12' 8" O.C cross tee slots	10.00.400.000H	249388	12'	1-1/2"
	HD Main runner 12' 6" O.C cross tee slots	10.00.421.000H	258223	12'	1-1/2"
	HD Main runner 12' 8" O.C cross tee slots (Exteriors - UL 696)	10.00.420.UL	258348	12'	1-1/2"
	HD Main Runner - 12' No Panel Slots* (For use with slotted cross tees)	10.00.400.000H	250252	12'	1-1/2"
<b>Slotted Cross Tee</b>					
	4' slotted cross tee for panel installation	10.00.424.000H	249389	4'	1-1/2"
<b>Standard Cross Tees</b>					
	Cross tee - 2'	10.00.412.001	250253	2'	1-1/2"
	Cross tee - 2' for UL 696 exterior installation	10.00.412.UL	258350	2'	1-1/2"
	Cross tee - 3'	10.00.413.001	258633	3'	1-1/2"
	Cross tee - 4'	10.00.414.001	250259	4'	1-1/2"
	Cross tee - 5'	10.00.415.001	250255	5'	1-1/2"
	Cross tee - 6'	10.00.416.001	250256	6'	1-1/2"
	Cross tee - 7'	10.00.417.001	250257	7'	1-1/2"
	Cross tee - 8'	10.00.418.001	250258	8'	1-1/2"

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## Perimeter Components

Detail	Description	Catalog Number	Length	Dimensions
<b>Wall Channel</b>				
	Spanair Wall Channel 10' for 1" deep panels	60.00.008.xxx	10'	15/16" x 2-1/2" x 15/16"
	Spanair Wall Channel 10' for 1.5" deep panels	60.00.005.xxx	10'	2" x 1-1/2" x 1-1/2"
<b>Infinity™ Perimeter Trim</b>				
	Engineered Straight	252565 INFE:STD	12' Max	Height 6", 8" 10" or 12" length based on project requirements
	Engineered Curved	252566 INFC:STD	12' Max	Height 6", 8" 10" or 12" length based on project requirements

Wall Angle and Wall Channel available in Standard Painted, Premium Painted, Metallic, Metalwood®, and Woodscenes® finishes.

Metallic Finishes are finished on outside only.

Infinity Perimeter trim available in Standard Painted, Premium Painted and Woodscenes finishes.

See the Infinity Data Sheet for additional information on Infinity Perimeter Trim.



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## Accessories



### Hold Down Inserts

Description	Catalog Number	Rockfon Material Number	Length	Material
Hold Down Insert for 2.5" channel - 1" Panels	60.00.033	249638	11"	Aluminum
Hold Down Insert for 2.5" channel - 1" Panels	60.00.034	249679	22"	Aluminum
Hold Down Insert for Exterior UL 696 - 1.5" panels	60.00.041	258344	22"	Aluminum



### Acoustical Pads – Black Vinyl Wrapped

Description	Catalog Number	Rockfon Reference Number
2' x 2' - 1" x 1#	58.01.059.008	250505
2' x 4' - 1" x 1#	58.01.061.008	250507
2' x 2' 1.5" x 1#	58.01.064.008	250509
2' x 4' - 1.5" x 1#	58.01.063.008	250508

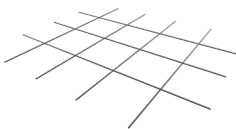
### Other Accessories



Infinity Attachment Clip  
448.9xx  
*Sized per Project*



Perimeter Clip  
1499.00  
#251952



Wire Grid Spacer  
60.00.021  
#250526  
*for use with Acoustical Pad*



Seismic Perimeter Clip  
1496.00  
#250374

# Rockfon® Spanair® Torsion Spring Panel System

## Properties

### Material

0.040" Aluminum



#### Fire Performance

Surface burning characteristics:  
UL723 (ASTM E84) Flame Spread Index: 0  
Smoke Developed Index (UL Labeled): 0



#### Environment

Aluminum: 78% recycled content  
Steel: 30% recycled content  
100% locally recyclable



#### Sustainability

Woodlands™ woodgrain finishes are UL GREENGUARD Gold certified for low VOC (chemical) emissions and meet the California Department of Public Health (CDPH) Standard Method v1.2-2017 for offices and classroom environments



#### Hygiene

Metal provides no sustenance to microorganisms



#### Cleaning

✓ Damp cloth



#### Warranty

1-Year Limited Product Warranty  
See [rockfon.com](http://rockfon.com)

070924

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