

# Rockfon® Curvgrid™

## Ceiling System

### Installation Guide



*Project – Fine Arts Center, Bradley Central High School, TN  
Product – Rockfon® Curvgrid™*

## System Overview

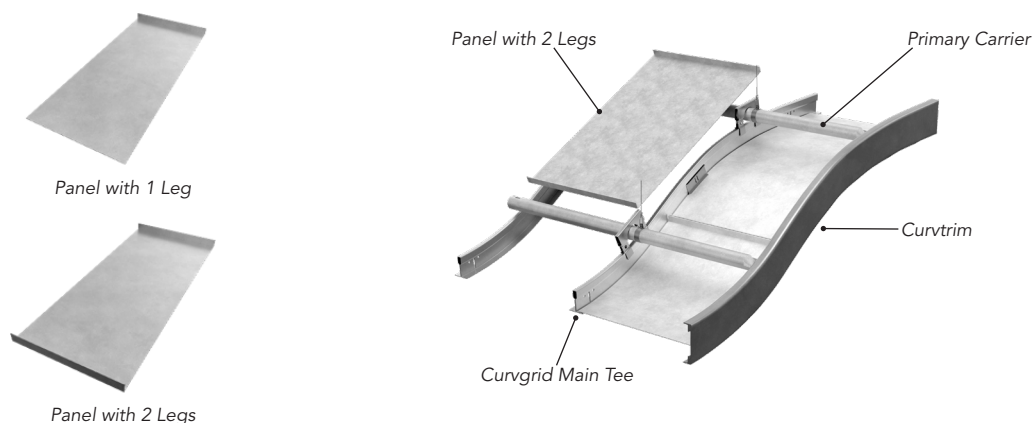
Rockfon's curvilinear ceiling system is a decorative, interior, ceiling system that employs the use of its Curvgrid and Curvtrim ceiling components. The designs include one-directional, two-directional, and EZ-flex® ceiling systems. All systems can be installed concave, convex, or undulating (waves). Refer to Rockfon's Curvgrid datasheet for available color options.

[Download  
One Directional Datasheet](#)

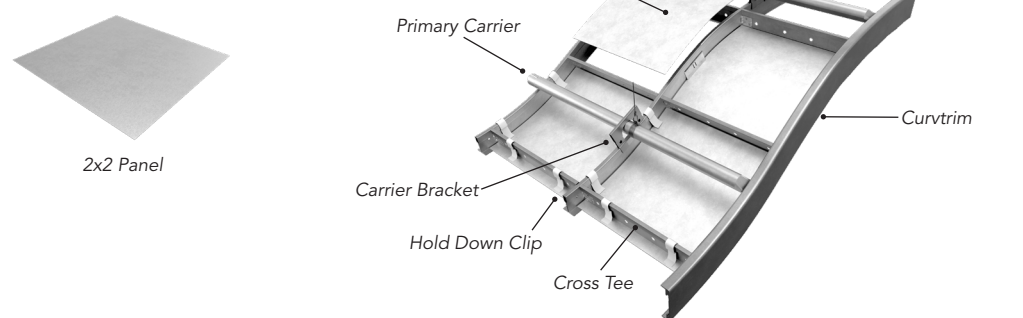
[Download  
Two Directional Datasheet](#)

[Download  
EZ-flex Datasheet](#)

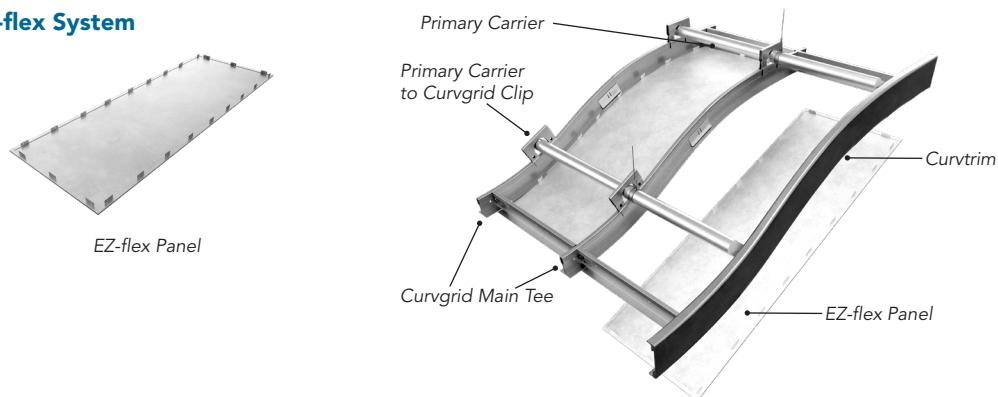
### One-Directional System



### Two-Directional System



### EZ-flex System



## Best Practices

Always follow good safety practices when installing ceilings. Prior to beginning installation ensure that all materials are received and in good condition. Record any shipping damage on the carrier's bill of lading and contact Rockfon immediately to order replacement material:

- Email: [cs@rockfon.com](mailto:cs@rockfon.com)
- Fax: 866-211-3824
- Tech Services: 800-323-7164

*If there are any issues with your order, contact Customer Service at 1-800-323-7164, telephone option 1.  
E-mail replacement material orders, including your purchase order number on document, to [cs@rockfon.com](mailto:cs@rockfon.com).  
For technical assistance, contact Technical Services at 1-800-323-7164, telephone option 2.*

## Installation Conditions

### Temperature and Humidity

Avoid installation in high moisture conditions where the space is not properly ventilated and acclimatized. Rockfon Curvgrid should be installed in a clean environment, free from construction dust and debris.

### Handling

Curvgrid come shipped in cartons and should be stored in a dry location. Prior to installation, inspect the cartons for damage. Use care in handling and removing the ceiling components. It is recommended to use clean gloves with a non-marking rubber/latex coating or polyethylene gloves when handling Rockfon metal ceiling products to avoid contamination. If any components arrive with a strippable plastic film, remove before assembly. For components longer than 4' it is recommended that two installers work in tandem when installing into the ceiling plane.

## Reference Documentation

Several industry standards are published and available. Acoustical and metal ceiling installers should familiarize themselves with the installation methods and best practices recommended for ceiling systems.

Prior to installation, it's imperative the installer become familiar with any project specific documentation available. These items will confirm ceiling layout, panel sizes and finish, ceiling accessories, ceiling fixture layout and orientation, and any special edge conditions.

### Industry Standard Documentation

- ASTM C636 (Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels, <https://www.astm.org/Standards/C636.htm>)
- [CISCA Metal Ceilings Technical Guidelines](#)
- [CISCA Ceiling Systems Handbook](#)

### Project Specific Documentation

- Reflected Ceiling Plans
- Project Specifications
- Approved Project Submittals (Datasheets, Shop Drawings)

### Other Documentation

- [Curved Metal Ceilings Brochure](#)
- [Product Perforation Options](#)
- [Product Case Study](#)

## Tools Required

- Laser or leveling device
- Marking tool (pencil)
- Square nose side cutter
- Clean gloves
- Aviation snips
- Tape measure
- Slot screwdriver
- Phillips screwdriver

## System Components

### Curvgrid Components



Main Tee-Straight



Main Tee-Concave



Main Tee-Convex



Cross Tee



Primary Carrier



Primary Carrier Splice  
444.00



Primary Carrier  
Suspension Clip 441.00



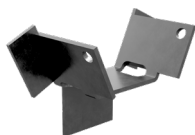
Hold Down Clip  
8886.00



Panel Clip  
445.00



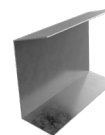
Primary Carrier to  
Curvgrid Clip 442.00



Primary Carrier to  
Curvtrim Clip 443.00



Main Tee Splice Plate  
436.00



Hold Down Insert  
437.00

Curvtrim Components



Curvtrim-Straight



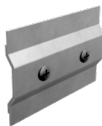
Curvtrim-Concave



Curvtrim-Convex



Outside Corner Splice  
429.00



Curvtrim Slice Plate  
434.00



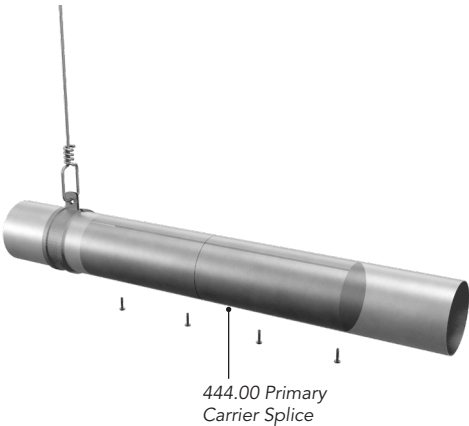
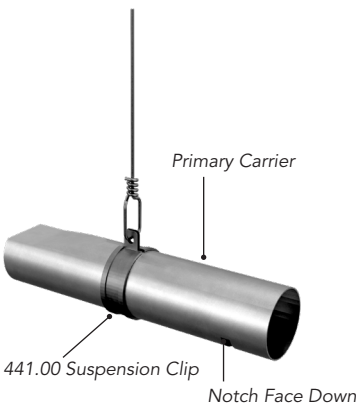
Curvtrim to Suspension Clip  
433.00

1. Suspension System Installation

Each Curvgrid order is project specific and should be laid out according to the approved project shop drawings. Each Curvgrid and Curvtrim component is marked with an identification number coordinated with approved shop drawings. All suspension must be installed per ASTM C636 including local building codes and standards. Special attention should be given to the squareness of the system. Failure to have a square system will create a poor aesthetic with misalignment in the corners and difficulty in installing the ceiling panels. Use minimum 12 gauge galvanized steel hanger wire per ASTM C636 for suspending the grid.

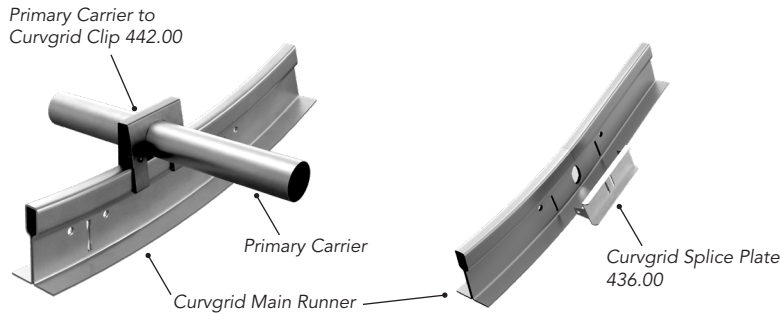
1.1 Install primary carriers

Position the primary carrier with notches facing down (notches are for the curved main runners) at the locations indicated on the project installation drawings. Place the suspension clip over the primary carrier at all hanger locations and attach hanger wires to the suspension clips. Splice primary carrier, end to end, with inserted carrier splice and appropriate screw fasteners.

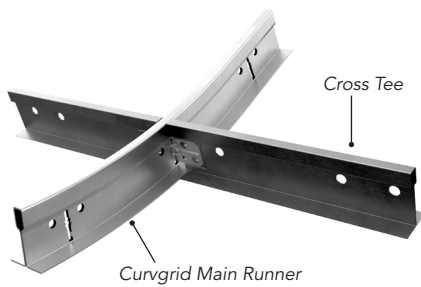


## 1.2 Installing Curvgrid to Primary Carriers

Insert Curvgrid into primary carrier notches and attach the primary carrier to Curvgrid clip over the top of the primary carrier, securing the curved main runners in place with 404.00 fasteners. Splice the Curvgrid main runners, end to end, with provided splice plates.



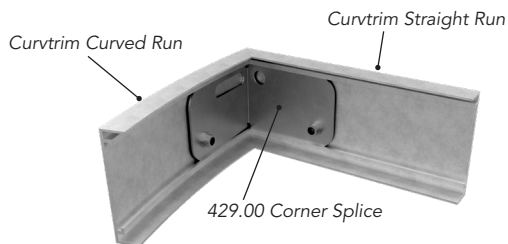
For a two-directional system, interconnect the 2' Curvgrid cross tees to the cross tee slots in the Curvgrid main tees.



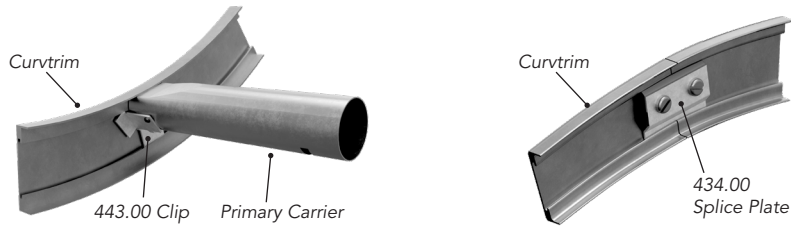
## 2. Curvtrim

*Note - Prior to Curvtrim installation, locate all marked Curvtrim components in relation to project installation drawings. Curvtrim may be pre-assembled prior to attaching to primary carrier.*

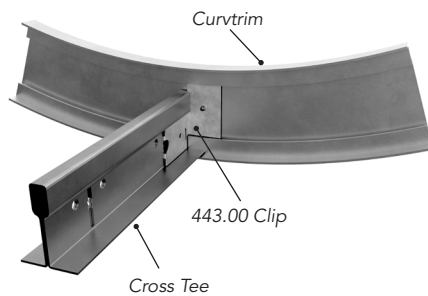
**2.1** Attach Curvtrim at corners with 429.00 corner splices and (2) machine screws provided, ensuring not to over-tighten.



- 2.2** Locate side (curved) pieces of Curvtrim position in relation to primary carrier as indicated on the project installation drawings. Attach Curvtrim to primary carrier with provided 443.00 clip fasteners. Splice the Curvtrim pieces, end to end, with the 434.00 splice plate and secure with screws provided.

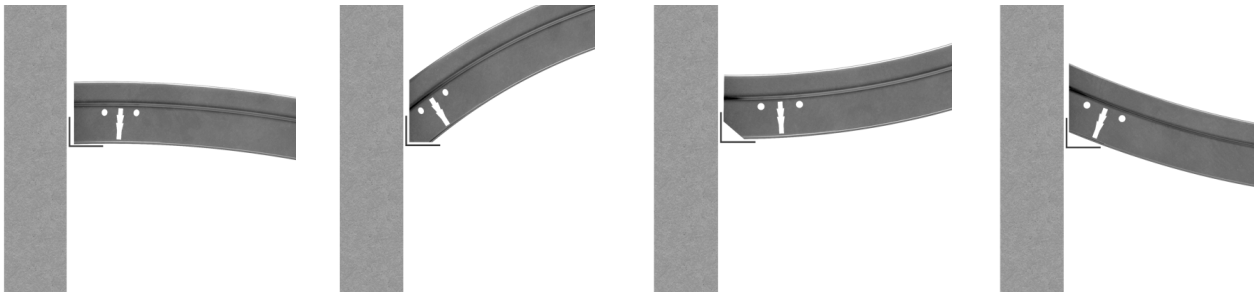


- 2.3** Attach main tees and cross tees to Curvtrim with 443.00 clips and tighten screws to secure (do not over tighten).



### Curvgrid Attachments to Wall

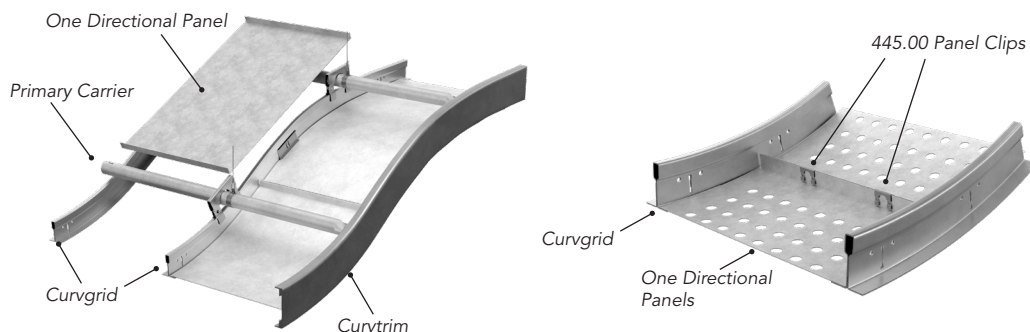
When Curvgrid is being installed wall to wall, wall angle can be used at the terminations. Field cutting and notching of the Curvgrid is required, see depictions below for recommended notching angles.



## 3. Panel Installation

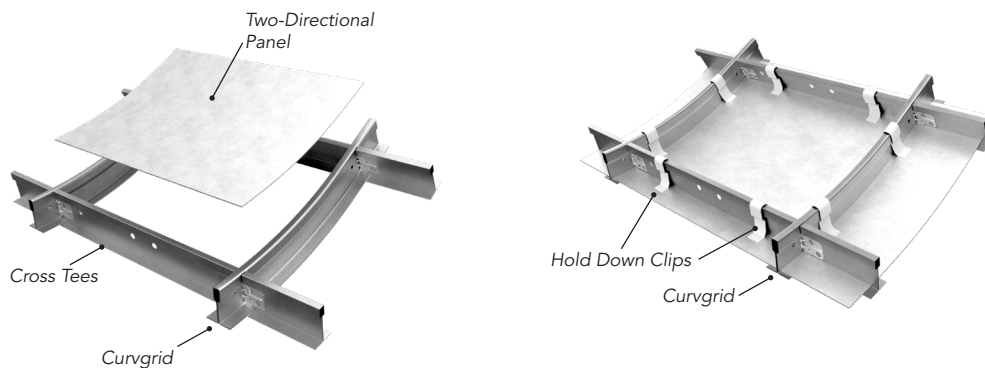
### 3.1 One-directional

Install the flexible, lay-in, panels from above the grid suspension and Curvtrim. Attach the ends of the panels together with (2) 445.00 clips.



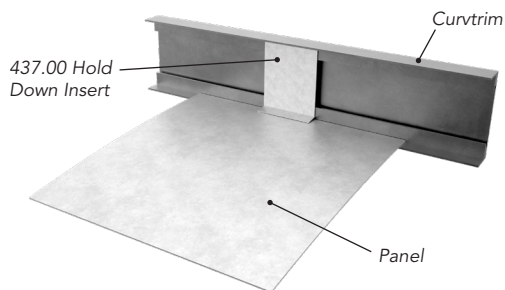
### 3.2 Two-directional

Lay panels face-down with directional marks on panel backs facing the same way. Attach the provided hold down clips over the Curvgrid main runners and cross tees. This will keep the panels flat along the horizontal flanges of the suspension.



### 3.3 For One-directional and Two-directional

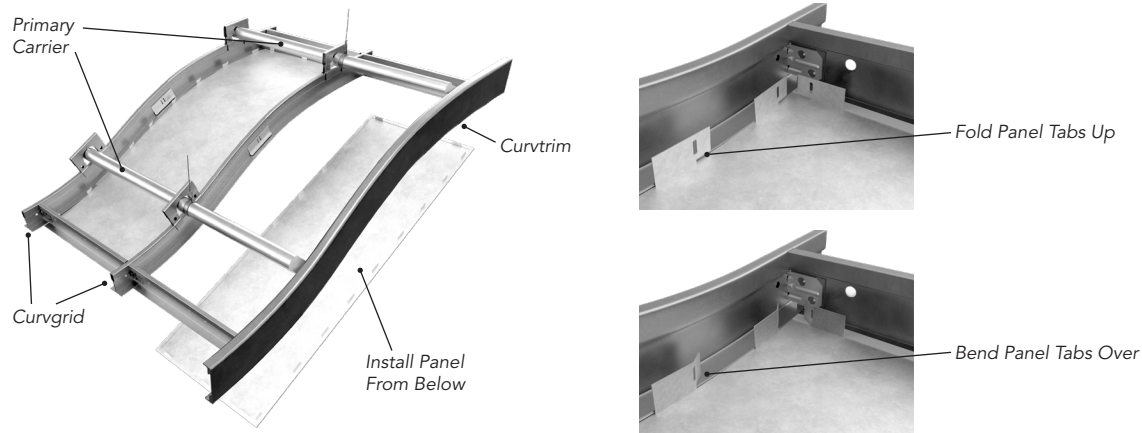
Along the edge of the Curvtrim, insert perimeter panels and attach the 437.00 hold down insert to keep panels flat against horizontal flange of Curvtrim.



### 3.4 EZ-flex

*Note - These panels install from below the suspension.*

The panels are shipped with holding tabs that are integral to the panel itself. First, fold the panel tabs up. Once in position to the suspension, bend the panel tabs over the tee flanges and Curvtrim. No additional hold down clips are required.



- 3.5** Cutting - The Curvgrid system is designed to arrive as an engineered un-assembled kit, with minimal cutting required. In the event an end panel needs to be field cut for lay-in panels, this can be performed with aviation snips or electric cutting shears.

## 4. Panel Removal

Special tools are not required to remove panels. However, access to above the ceiling system is required to remove hold down clips, hold down inserts, or to bend backwards the integral tabs of EZ-flex panels, before panels can be removed.

## 5. Service Integration

Fire sprinkler, speaker holes, etc., can easily be cut with a drill and hole saw.

## 6. Cleaning

Select a mild, non-abrasive cleaning agent typically used for cleaning painted or reflective surfaces. Never use abrasive cleaning agents, as they may scratch, mar, alter, discolor, and/or remove the finish.

Before cleaning the finish, perform a trial test on a section of the finish which will be hidden from view once installed. This will ensure that the cleaning agent selected is appropriate and will not damage the finish in question.

Once an appropriate cleaning solution has been selected, care should be taken to use only the amount which is necessary. Do not soak the ceiling components with the solution.

Use a clean soft sponge or cloth when applying the cleaning agent in order to ensure the applicator does not contain any abrasive elements which may damage the finish.

Any excess cleaning solution should be removed immediately so that the solution does not dry and possibly leave a residue. In the event a large area needs to be cleaned, it is advisable to break the area into smaller, more manageable sections, so that adequate time is available to complete each phase of the cleaning process.

After cleaning the soiled or smudged area, wipe the surface with a dry soft cloth to remove any residual cleaning solution and to dry the area. Use a clean damp cloth to remove any residue that cannot be removed with the dry cloth. Repeat the drying process.

After the components are clean, allow a few minutes for air drying before installation. It is important that the clean components are dry to ensure that other materials, such as insulation, which may be susceptible to damage from moisture does not come contact any moisture or damage from the cleaned materials. For additional cleaning information, please refer to our technical datasheet "[How to Clean Painted & Reflective Ceiling Component Surfaces.](#)"

### Have Questions?

Contact the Rockfon Technical Services Team by calling **800-323-7164** and we can provide assistance on your project.



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