



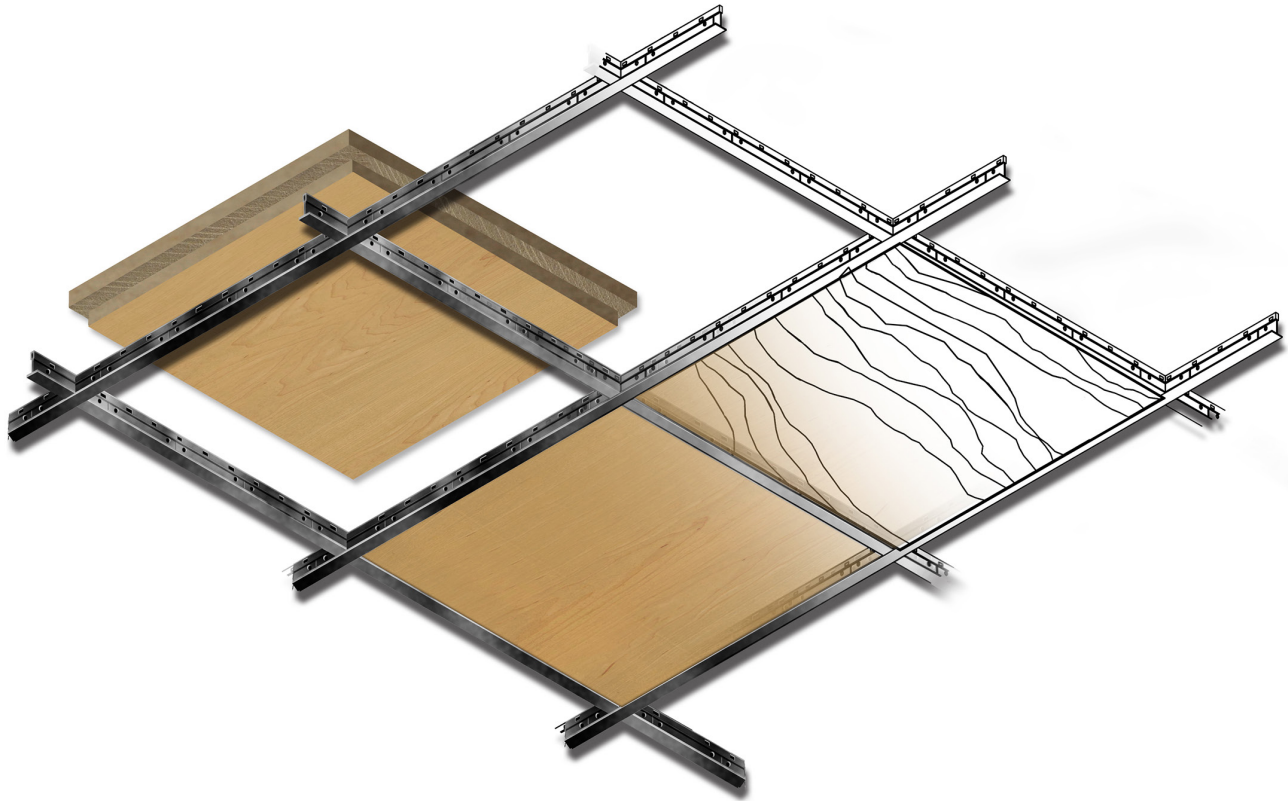
**RULON**  
INTERNATIONAL

## SQUARES DATA SHEET

System: Squares | Style: Any



### OVERVIEW



### SYSTEM

Squares are designed to be a simple lay-in system for heavy duty grid systems. Wood Squares are available in Lay-In, Side-Slot, Recessed-Tegular, and Coffered styles. Standard panel sizes are 2' x 2' or 2' x 4' x 3/4" thick. Custom sizes are available. Squares are only available in veneer.



## TECHICAL DATA



### ENGINEERING CONSIDERATIONS

Squares are manufactured at Rulon's plant in St. Augustine, FL. All shop drawings and coordination details are produced by Rulon's engineering staff.



### ACCESSIBILITY

Squares are a fully-accessible Rulon ceiling system unless direct-screwed to heavy duty grid. Panels are suspended from heavy duty grid using a variety of edge conditions including edge-banded, tegular, lay-in, and side slot.



### ACOUSTICS

Squares can be installed with or without p-gasket at reveals, allowing sound to pass through the space between panels to the plenum space beyond. Squares are acoustically reflective.



### SUSTAINABILITY

Squares may contribute as required to the following LEED v4 credits: **MR BPD&O – Sourcing of Raw Materials, MR BPD&O – Material Ingredients, EQ Low-Emitting Materials, EQ Minimum Acoustic Performance.**



### FIRE PERFORMANCE

Squares can be treated to meet **Class A** requirements as per ASTM E-84. Veneers are applied to an FR (Fire Rated) core (typically MDF or Particleboard).



### SEISMIC

Squares meet seismic code compliance via direct screw attachment to heavy duty grid. Local code requirements should be consulted in order to determine additional requirements.



### INTEGRATIONS

Squares can be easily trimmed in-field to accommodate MEP integrations. Touch-up finish and edgebanding is supplied to veneer and seal cut edges. In-factory cutouts can be achieved with dedicated coordination and in conjunction with the [Integrated Lighting<sup>®</sup>](#) program at Rulon.



### GENERAL COSTING

Squares are typically an inexpensive system depending on the material and manufacturing requirements. FVPs qualify as **\$\$\$\$** on the general costing scale. Local reps should be contacted in order to obtain a project-specific budget.



## SPECIFICATION

### COMPONENTS

#### HANGERS

#12- gauge wire hangers (contractor-supplied).

#### SUSPENSION SYSTEM

Ceiling Panels should be suspended using standard 15/16" [24 mm] heavy duty grid (contractor-supplied). Tegular or Lay-in ceilings may be suspended using standard 9/16" [14 mm] medium duty or 15/16" [24 mm] heavy duty grid (contractor-supplied). Mains for 15/16" [24 mm] heavy duty grid shall be a max of 2' [610 mm] on center.

#### ATTACHMENT

Squares can be specified with various edge profiles including Lay-In (see drawing SLXA0001), Side-Slot (see drawing SSXA0003), Recessed-Tegular (see drawing STXA0002), and Coffered (see drawing SCXA0005).

#### SIZES

Panels are manufactured from premium grade veneers adhered to a wood substrate (typically MDF or Particleboard). Face veneer is finished to customer requirements. Panels may be manufactured in sizes up to 2' [610 mm] by 6' [1829 mm]. Grain direction typically follows the length of the panel.

#### CONDITIONS

Ceiling termination at a wall or soffit is accomplished using various trims (for example, see drawing D-120).

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## WOOD SELECTIONS

#### WOOD SPECIES

Squares may be specified in a variety of veneer species. Standard wood species are: Ash, Maple, Walnut, Red Oak, White Oak, Anegre, Beech, Bamboo, and Cherry. Premium veneers and non-wood laminates are available.

#### TEXTURES

Standard surface texture is smooth-sawn. Faces are sanded.

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## PROFILES

#### FACE PROFILES

Squares are manufactured with multiple veneer layup options. Patterns include Plain, Quartered Square, and Quartered Diagonal (see drawing SCXA0006).



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### **SPECIFICATION**

#### **FINISHES**

##### **WOOD FINISHES**

Standard finish is satin clear. Custom stains, opaque or semi-transparent colors are also available. All finishes are water based, low VOC-emitting, and do not contain solvents.

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#### **SHIPPING & STORAGE**

##### **SHIPPING**

Squares are shipped on skids in shrink wrap packaging. Finished surfaces are facing one another with slip sheets between to prevent marring.

##### **STORAGE**

Squares shall be stored flat and level, in a fully enclosed space away from sunlight or moisture. For a minimum of seventy-two (72) hours immediately prior to ceiling installation, the packaging shall be opened and the panels shall be stored in the room in which they will be installed. The temperature and humidity of the room shall closely approximate those conditions that will exist when the building is occupied. Panels must be stored off the floor.

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#### **COORDINATION**

##### **TEMPERATURE & HUMIDITY**

System shall be installed only when the temperature and humidity closely approximate the interior conditions that will exist when the building is occupied. Heating and cooling systems shall be operating before, during, and after installation, with the humidity of the interior spaces maintained between 25 and 55 percent, and a temperature between 60 to 90 degrees F.



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### NOTES

▯ The Integrated Lighting program at Rulon is in partnership with GE Lighting and is an effort to coordinate MEPs more effectively and provide for a more streamlined process of integration. In practice, this effort begins with factory cutouts to accommodate light fixtures.