Ranura - PRODUCT DESCRIPTION

Ranura is a line of wood slat panels offered by Accent Digital. The panels are usually installed on ceilings and walls but are also be used as components in custom furniture. Ranura panels feature high quality wood veneer or laminate surfaces which are available in many wood species and finishes. Ranura panels can be ordered stained and lacquered, natural and lacquered or only sanded if the finish is to be applied on the installation site.

Ranura is built with high quality wood fiber substates allowing for a more stable product less subject to warping or shrinkage and expansion given changes in humidity and temperature as compared to solid wood products. Our manufacturing techniques allows for straight and rigid panels that are easy to install.

The panels can be easily cut and perforated with standard tools to integrate various items such as light fixtures, ventilation grids, etc. Upon request, Accent Digital can adapt the product to the requirements of non-combustible constructions. Screws can be used in the grooves between the slats to easily install the panels. The screws will be almost invisible because of the narrow grooves.

AVAILABLE FINISHES—WOOD VENEER AND OTHERS

- High-quality natural wood veneers (sold sanded with or without mat lacquer (5% sheen)):
  - Maple;
  - Red Oak;
  - White Oak;
  - Walnut;
  - Other wood species available upon request.
- The panels can be stained. Three colors are standard: Camel, Taupe and Espresso. Other colors can be offered upon request.
- As an alternative to wood veneer, Accent Digital offers a wide variety of laminates.
- The panels can be painted (wide variety of colors).
- Upon request, the panel side can be edge banded.

TECHNICAL SPECIFICATIONS

Dimension:

- Standard size : 600x 2,440mm (23.625'' x 96'').
- Other available size : 600mm x 3,045mm (23.625''x120'') or custom dimensions.
- Standard panel width: 19mm (3/4'').
- The width of the top surface (wood veneer or laminate) varies from 0.6mm to 1.4mm (0.02'' to 0.06'') depending on the chosen finish.

Width of the wood slats:

- Model R 6-19 : 18.6mm (0.73'').
- Model R 6-24 : 24.0mm (0.95'').
- Model R 6-19-24 : 18.6mm et 24.0mm (0.73'' et 0.95'').
- Model R 6-34 : 33.65mm (1.32'').
- Model R 6-54 : 53.65mm (2.11'').

Components:

- Structure: wood fiber (MDF).
- Finish surface: wood veneer or laminate.

Flame Spread Rating:

- Structure: CAN/ULC S102—Class 3 / ASTM E84—Class C—150 and less. Also available upon request — CAN/ULC S102-Class 1 / ASTM E84-Class A—25 and less.
- Top Finish surface: wood veneer 0.6mm width. Also available upon request— CAN/ULC S102-Class 1 / ASTM E84-Class A—25 and less.

Recycled material:

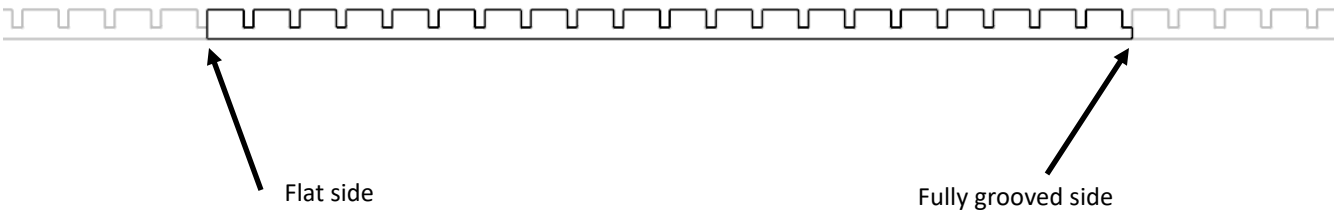
- Structure : pre-consumer : 81.7 - 83.7%, post-consumer : 0%

Weight:

- Varies from 17 to 23kg (38 to 50 lbs) per panel, depending on the model and width.

GEOMETRY

Lateral view R 6-24



The standard panels have a flat edge and a edge with a full groove width. Therefore, when the panels are installed side by side, the joint between the panels is mostly hidden.

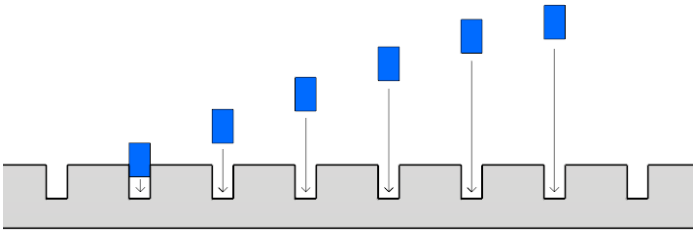
CUTTING AND DRILLING

The panels can be cut laterally or longitudinally with standard circular or table saws. We recommend using a quality finishing blade.

Wood shims must be inserted between the slats prior to using a hole saw drill to avoid tearing out the slats. These shims can be supplied by Accent Digital upon request.

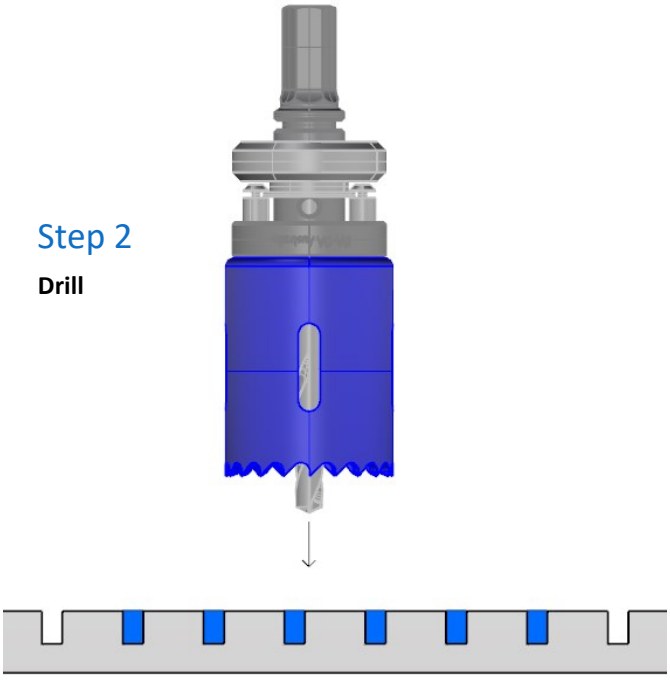
Step 1

Insert the shims



Step 2

Drill



PRODUCT INSTALLATION

Prior Planning

The panels are made from wood fibers and it is important to control the relative humidity of the installation site. Humidity influences the expansion and contraction of wood. The relative humidity must be between 30% and 60%. In addition, the ambient temperature should be maintained between 15 and 28°C.

Prior to installing the panels, let the panels acclimatize to the installation site for 48 to 72 hours. Allow for air circulation around the panels by leaning them on walls.

The installation surface (ceiling or wall) must be level. It must also be clean, dry and solid. It is possible to install the panels directly on the studs, but we strongly recommend adding horizontal wooden furring strips to ensure the quality of the panel joints and increase the overall strength.

Installation Lines

Determine and mark the center of your wall or ceiling. Draw a vertical reference line using a level. Thus, you will be assured that your panels will be straight, even if the installation surface is not perfectly straight. Verify that the height of the installation surface is the same across the entire width. If the difference is not very large, draw a horizontal line at the highest point of the floor using a level. This line will be used to align the bottom of the panels. If the difference in height is very visible, the bottoms of the panels will have to be cut in order to fit the shape of the floor or alternatively, moldings will have to be used. To avoid ending up with small panel leftovers on either side of the installation surface, determine if you will begin the installation by placing the middle of the first panel on the center reference line or alternatively, with one of the sides of the first panel aligned directly with that line.

Leave a 3mm (1/8 inch) gap on either side of the installation surface as well as at the top and bottom of the surface to allow for natural expansion of the panels during changes in temperature and humidity. If the panels are installed in a location where water can accumulate on the floor (for example an entrance hall) and there is no baseboard between the floor and the bottom of the panels. It is preferable to allow for a clearance of 5mm at the bottom of the panels. THE PANELS MUST NOT COME INTO CONTACT WITH WATER.

Note for panels finished with lacquered wood veneer:

Real wood veneers have natural variations in hues and patterns. f you have several panels to install side by side, take the time to look at each panel to determine the desired layout.

PRODUCT INSTALLATION (continued)

There are two alternatives for attaching Accent Digital's Ranura panels:

- Using narrow head screws with a head diameter of 5mm screwed in the grooves of the panels;
- Attach the panels using "Z" Clips suspension bars.

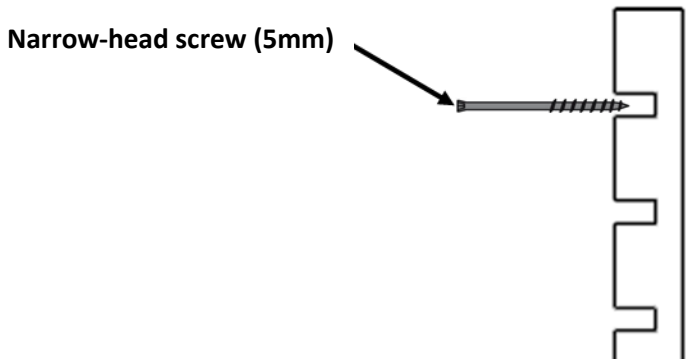
The first alternative is the one we recommend. It is faster and easier. In addition, it offers more adaptability in installing panels that have been cut.

GIVEN THE SIZE OF THE PANELS, WE RECOMMEND AT LEAST TWO PERSONS FOR INSTALLATION

PRODUCT INSTALLATION (continued)

Using Narrow-Head Screws

Accent Digital's Ranura panels can be installed using narrow-head screws (with a head diameter of 5mm) directly in the panel grooves, which are 6mm wide. Once screwed in, the screw heads will be flush with the bottom of the grooves and will hardly be visible. These screws can be provided by Accent Digital.



Ceiling Installation:

For a ceiling installation of a 23 5/8''x96'' (600x2 440mm) panel, a minimum of 8 screws must be used. They must be evenly distributed on the panel periphery and be screwed into a solid material. NEVER SCREW ONLY INTO GYPSUM. If the panel to be installed is larger, use more screws so that you have at least 1 screw per 2 square feet (0.2 square meters).

Wall Installation:

For a wall installation of a 23 5/8''x96'' (600x2 440mm) panel, a minimum of 6 screws must be used. They must be evenly distributed on the panel, preferably on the periphery, and be screwed in an adequate solid material (studs or wood furring strips). NEVER SCREW ONLY INTO GYPSUM.

If a wall installation does not allow fixing in a solid material and only allows fastening to gypsum, use a thin 1/8 inch drill bit to drill holes through the panels and the gypsum where the screws will later be attached. Remove the panel and add zinc gypsum anchors no. 8 (type E-Z Ancor) into the locations of the the previously drilled holes. Precisely replace the panels and screw into the gypsum anchors.

Alternatively, the panels can be glued. In this case, use a construction glue (ex. PL Premium or silicone). With the glue, draw a S in the middle of the back of the panel and place a line of glue around the perimeter 2 inches from the end of the panel. Put the panel in place and attach a screw in each corner of the panel in its grooves. These screws are required to hold the panel in place while the glue dries (24h). If desired, the screws can be removed when the glue is dried. The screw holes can be repaired with a wood putty.

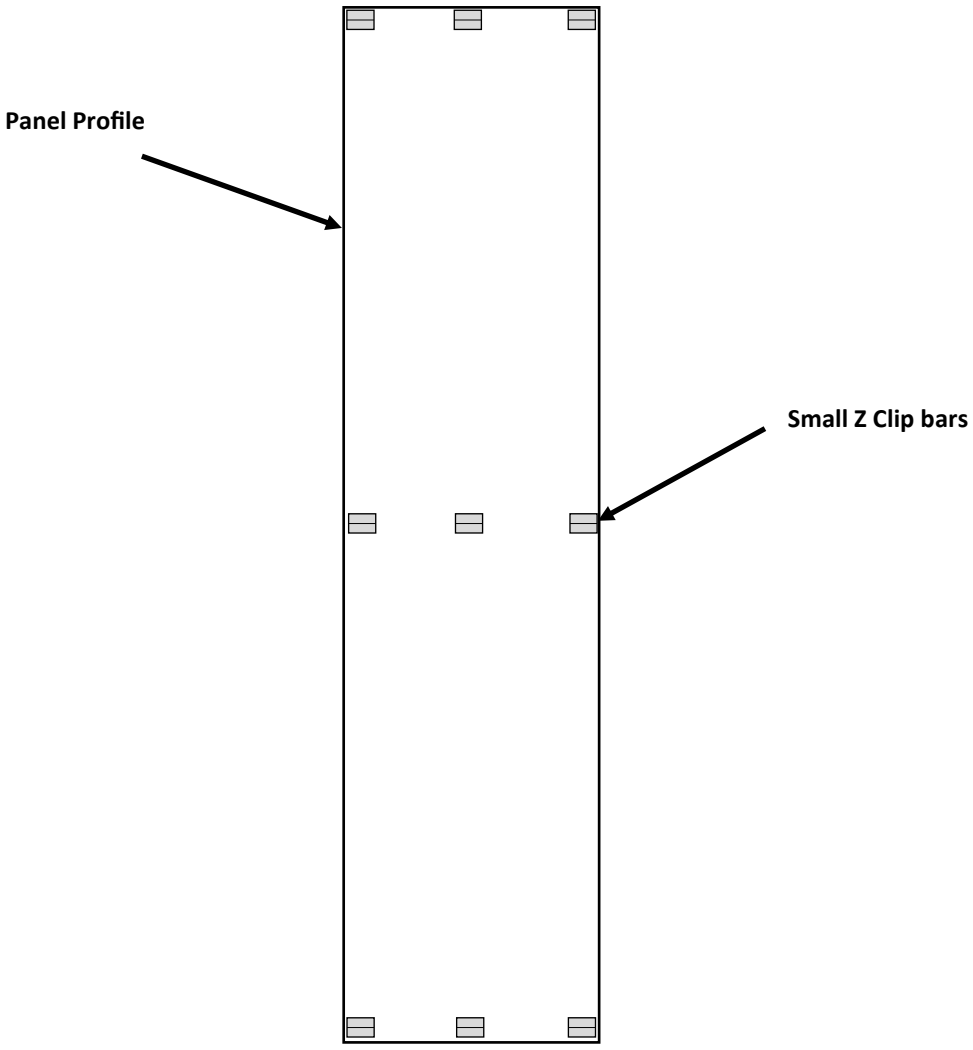
PRODUCT INSTALLATION (continued)

Installation with "Z" Clips

Accent Digital's Ranura panels can be installed using aluminum "Z" Clips. Z Clips can be used only in the case of a vertical installation (wall). A clearance of at least 25mm (1") must be allowed above each panel to allow it to be installed with Z Clips.

Three small Z Clips bars should be screwed into the top, middle and bottom of the panel (see drawing below).

IMPORTANT: NEVER SCREW INTO A PANEL WITHOUT PRE-DRILLING.

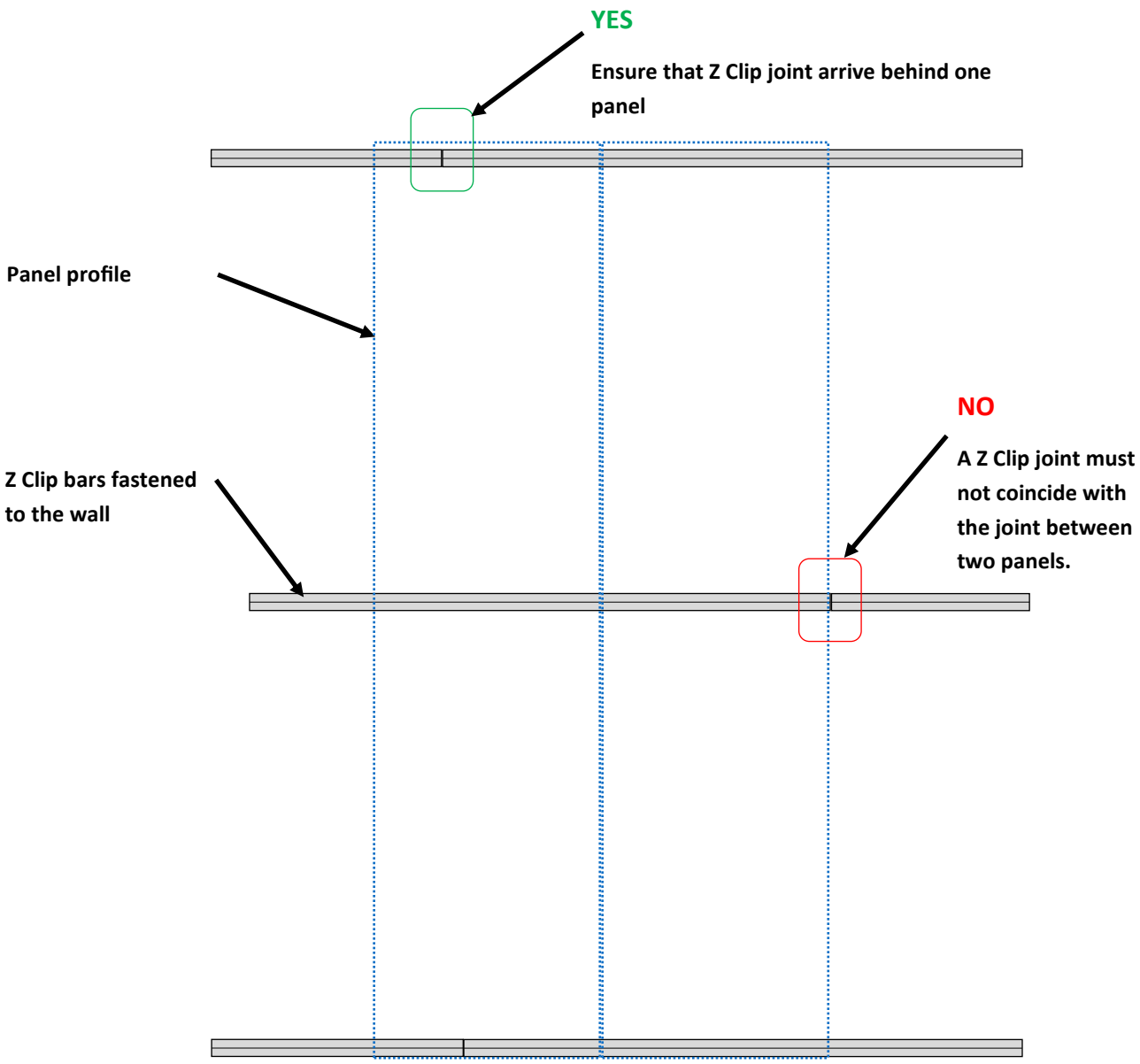


Back View

PRODUCT INSTALLATION (continued)

Installation with "Z" Clips (continued)

When installing several Z Clips bars on the wall, ensure that the joints between two bars does not coincide with the joint between the panels. If a bar joint coincides with the panel joint, it could be difficult to install the panels perfectly level with one another.



WARRANTY

Accent Digital warrants Ranura panels against manufacturing defects. This warranty is valid for a period of one (1) year from the date of delivery.

The warranty is limited to the repair or replacement of defective or non-compliant products.

The warranty does not cover damage resulting from normal wear and tear of the product, improper maintenance or improper installation of the product. Additionally, scratches and other defects resulting from third-party installations are not covered under warranty. This warranty does not apply to damage caused by vandalism, defective equipment near the products and abnormal use of the products covered by this warranty.

This warranty does not cover products installed in an environment where the humidity rate and/or the ambient temperature are not controlled. The products are designed to be installed in an environment where the relative humidity varies between 30 and 60% and the ambient temperature varies between 15 and 28°C.