

# Solo Wood Plank Installation

1. For wall or ceiling application, Solo can be installed using wood blocking or steel furring channels. Install wood blocking or steel furring (hat) channel at 610mm (24") on center.

2. Install vertical wood block at the start and finish of the installation area - flush with horizontal wood blocking, or (5/32") 4mm thicker than the steel furring channel. Fill space between blocking/furring with acoustic insulation (i.e. CertainTeed "Commercial Board" 64 - 96 kg/cu.m. (4 - 6 lb/cu.ft.) density fiber glass).

3. Cut plank to length required. Ensure holes in each plank are identically spaced from ends (align), so that the hole pattern will match on all planks.

4. Lay-out wall or ceiling area in 7-9/16" (192mm) increments, and adjust starter/finisher accordingly. Position one plank near the center to become the starter and finisher planks (Refer to the "tools" section for blade and cutting information).

5. Secure starter plank with finishing nails through the face at groove into the edge (vertical) blocking. Secure side groove with blind nail/ screw into horizontal blocking, or Solo clip and framing screw into steel furring channel. (Note: gently tap the Solo clip so that the "tang" bite into the base of the groove, and ensure clip is tight to the board).

6. With holes aligned tap each successive plank tongue into previously installed board groove. Check each plank is level and plumb, and secure groove edge (blind nail/screw into blocking, or Solo clip and framing screw into steel furring channel).

7. If necessary trim finisher plank to correct width. The tongue of the finisher plank is inserted into the groove of the previous plank, and then secured with finishing nails at a groove location into the vertical wood blocking.

8. Where coverage area exceeds plank length, gap end-to-end planks with (2mm) shim as shown.

9. Finish perimeter of wall or ceiling Solo installation with suitable trims or moldings as desired.

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## DESIGN AND SPECIFICATIONS

### Environment

Solo planks must be stored, installed and maintained only in a secure ambient environment: humidity min. 35% - Max. 55%, Temperature not to exceed 27°C/80°F.

Solo planks must be allowed to stabilize on site for 72 hours prior to installation.

### Installation

Solo is installed over wood blocking or steel furring channels, of a thickness necessary to support the insulation. The horizontal blocking or steel furring channels are installed on 24" (610mm) centers. The Solo plank is configured with a tongue edge and a groove edge, which slip together to form a near monolithic joint (much like flooring).

Solo should be installed by qualified carpenters. The product will likely be specified in the millwork or acoustical materials sections of specifications, but in either case, proper tools and skills should be employed.

### Tools Required

Solo is manufactured of medium density fiberboard (MDF) with a real wood veneer laminated to the face. Traditional wood working tools are all appropriate. A sharp, thin-kerf, 80 tooth (at 10" (250mm) diameter), alternating bevel (40 degree), carbide blade is recommended. The plank should be cut face up to avoid scratching of the wood finish. The best site equipment is large diameter chop saws and radial saws.

A traditional table saw would require the plank to be cut much slower to avoid tear-out or chipping. If cut-outs are required for round fixtures a router and template method using a quality spiral-down carbide flute cutting bit is recommended.

### Acoustical Insulation

To achieve acoustic performance comparable with Decoustics acoustical absorption test data, 64- 12 kg/cu.m. (4-7 lb/cu.ft.) density fiber glass is recommended. Surface quality of the insulation is not important as it is mounted behind the Solo plank and out of view.

### Insulation and Hardware Visibility

The back of the plank is laminated with an acoustically transparent black matt, which hides any potential insulation or hardware color read through. Note: In specific lighting conditions, it may be necessary to paint the hardware (wood blocking or steel furring channels) matte black at the plank joint locations.

### Warranty

Solo has the same warranty period as other Decoustics products. Close attention must be paid to acclimatization, and to finished room conditions. Wood products are highly susceptible to changes in humidity and temperature. Where a schedule dictates that the product is installed prior to the establishment of temperature and humidity controls at the site, the warranty will be void.

*Note: The information provided in this Data Sheet is accurate to the best of our knowledge at the time of printing. However, we reserve the right to make changes when necessary without further notification. Suggested applications may need to be modified to conform with local building codes and conditions. We cannot accept responsibility for products that are not used, or installed to our specifications. Please refer to our website for most current data.*

*Note: Only handle panels wearing clean, lightweight, white gloves during installation. Follow manufacturer's printed instructions for installation as well as field cutting of panels.*



Decoustics

61 Royal Group Crescent  
Woodbridge, Ontario L4H 1X9 Canada

[www.Decoustics.com](http://www.Decoustics.com)

Phone: 905-652-5200

Toll Free: 800-387-3809

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