

WOODWORKS Channelled Plank

Assembly and Installation Instructions

1.0 GENERAL

1.1 PRODUCT DESCRIPTION

WoodWorks Channelled acoustical wall panels is available in 128x2440mm having thickness of 15mm. The two long sides interlock with a tongue and groove detail. The two short ends are cut square. Clips hold the panels to the wall or to a grid ceiling. The Laminate finishes are US Maple, Dark Walnut, Maple, Royal Cherry, Papyrus Grey, Pure White and Aluminium Grey, while the Custom Veneer finishes are Maple, Dark Bamboo, Red Beech and US Cherry. When installed as a wall, the panels can run horizontally or vertically. The same panels can be used as ceiling planks when installed on grid system.

1.2 MATERIAL & SURFACE FINISH

All planks are constructed of fire retardant high density fiberboard. Finishes feature semi-glass laminates and custom face-cut.

1.3 STORAGE & HANDLING

All ceiling and wall components should be stored in a dry interior location and shall remain in the original packaging prior to installation to avoid damage. The materials shall be stored off the floor in a flat, level condition. Do not store in unconditioned spaces with humidity greater than 70% or lower than 25% or with temperatures above 30°C or lower than 10°C. Use proper care when handling to avoid damage or soiling.

▲ Use proper care and caution when handling suspension systems due to the sharp edges on all exposed clips.

1.4 SITE CONDITIONS

Building areas that will receive ceiling or wall planks shall be free of construction dust and debris. Installation of the products shall be carried out where the temperature is between 10°C and 30°C and relative humidity levels maintained between 25% RH and 70% RH. These temperature and humidity conditions must be met throughout the lifetime of the ceiling or wall.

Real wood and wood composite products are natural building materials and they will react to changes in humidity. (Wood tends to contract with lower humidity and expand with higher humidity.)

Wood could also have a tendency to warp, twist or bow, due to the natural stresses in the components and humidity changes. Be aware of these natural tendencies when evaluating the products.

It is also necessary for the area to be enclosed and for the HVAC systems to be functioning and in continuous operation. All wet work (plastering, concrete, etc.) must be complete and dry.

(Note: The equilibrium moisture content for a generic plaster should be less than 0.2% at RH value of 70)

These products cannot be used in exterior applications.

To ensure that the ceiling or wall planks have stabilized to the current building conditions, prior to their installation, the planks must be placed in an environmentally stable building location for a minimum of 96 hours.

1.5 COLOR

WoodWorks Channelled planks are made with laminate finishes or custom real wood veneers. Veneered products have natural variations in color and grain that are characteristic of wood products. Also in case of laminate finishes there would be a variation in visuals for material of different batches. To maximize visual consistency, planks should be unpacked and examined collectively to determine the most desirable arrangement for installation.

1.6 ORDERING CONSIDERATIONS

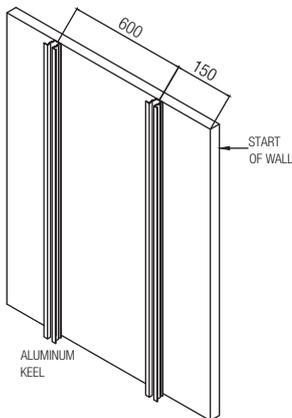
Be sure to account for extra material that is normally needed for wood installations. Consider ordering at least 5% extra material for typical installations. Up to 10% more may be needed for odd size or diagonal installations. It is the customer's responsibility to plan each layout and order the correct amount of installation material needed, taking into account their design and the dimensions of the nominal 128x2440mm wide plank modules.

2.0 FIRE PERFORMANCE

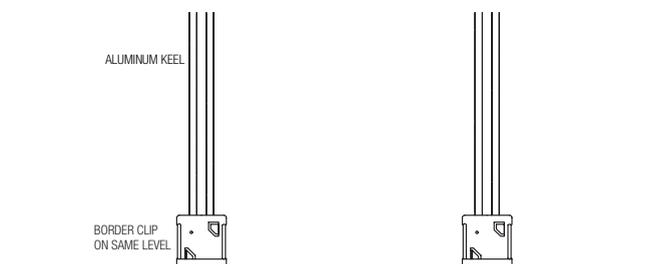
As with other architectural features located at the ceiling, WoodWorks Channeled may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channelling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, and their local codes for guidance where automatic fire detection and suppression systems are present. WoodWorks Channeled panels are classified into Class 1 as per BS476 part 7.

3. HORIZONTAL WALL PANEL INSTALLATION

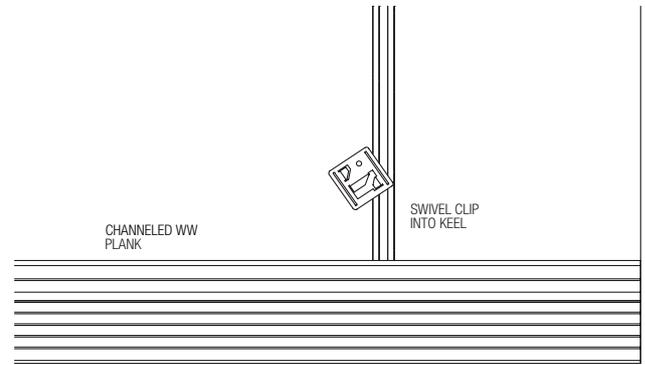
Install Aluminium extruded Keel (GTPT001) in vertical direction, securing them to the wall with appropriate fasteners. If wall is not straight or plumb, you can use wooden battens above the wall or pad the location of keel adequately to ensure that the keel is in plumb and in absolute level. The distance between any two keels should not exceed 600mm. The keel should be placed at a distance of 150mm from ends of the wall and wherever the panel ends, the keel should not be away from the border by more than 50mm.



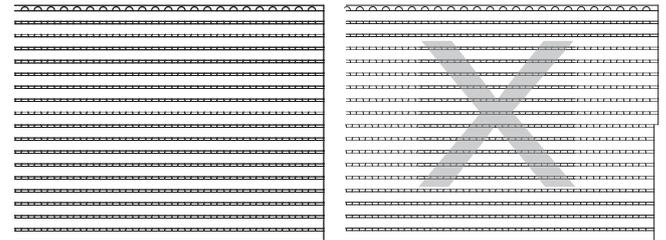
Install the border panel clips (GTPT002) at the bottom edge of each Aluminium keel (the clips are swivelled into the desired position). Ensure that the border clips are in absolute level and if required, secure the clips to the keel using 6mm machine screw.



Place the Woodworks channelled panel with the groove side facing the bottom so that it is secured into the border clips placed at the bottom of the keel. After placing the bottom panel, swivel and slide the Inside panel clips (GTPT003) onto the keel in the downward direction to maximum possible extent to ensure a positive locking of the panel in the desired position. If required, secure the clips to the keel using 6mm machine screw. Continue installing subsequent panels by inserting the groove of the subsequent panel into the tongue of the previous panel and use inside clip to secure it. Proceed installing all the panels till you reach the top of the installation.

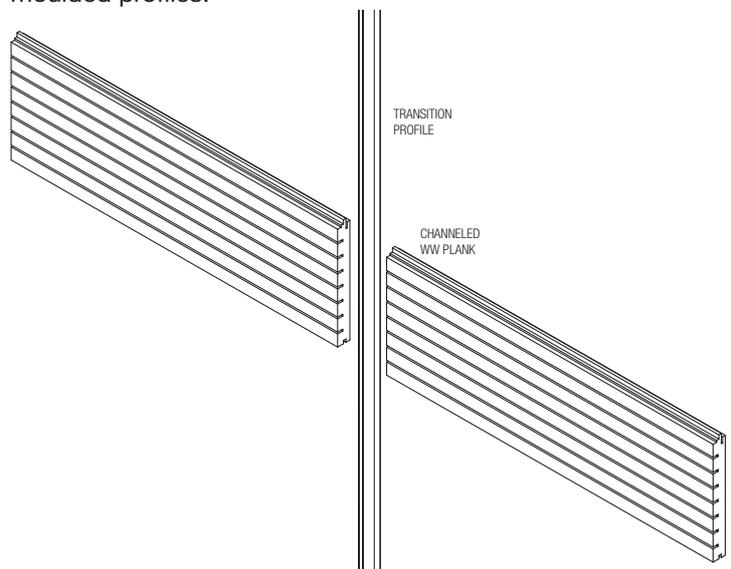


To preserve the linear visual in the front of the panels, the holes in the back of the panels must line up from top to bottom, panel to panel. You must make sure the first row of holes at the end of the panel you are installing lines up with the holes in the panel under it.



Once you reach the top of the installation, you may have to cut the tongue portion of the top panel and secure the panel with the help of the border clip. Secure the clips to the keel using 6mm machine screw.

Two adjacent Woodworks channelled panels can be joined either by applying sufficient amount of wood glue to the shorter end side of both panels or by using special moulded profiles.



A Transition profile (GTPT 2661B) can be used when you are placing two WoodWorks channelled panels side by side (instead of using glue). It helps in enhancing the aesthetic appeal of the wall.

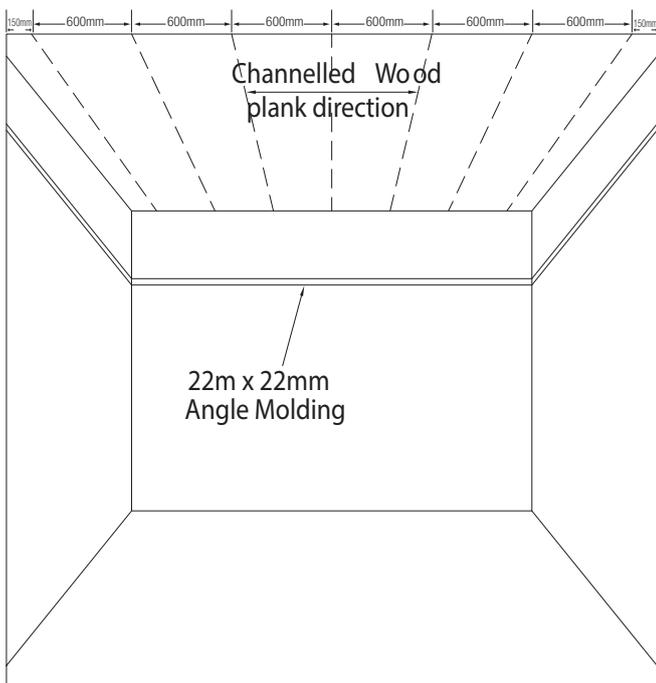
When an angle difference of 90 degrees is to be achieved in the wall surface while installing Channeled panels, outside corner profile (GTPT 2623) can be used.

The above installation can also be done with the channels passing vertically by changing the orientation of the keel and panels.

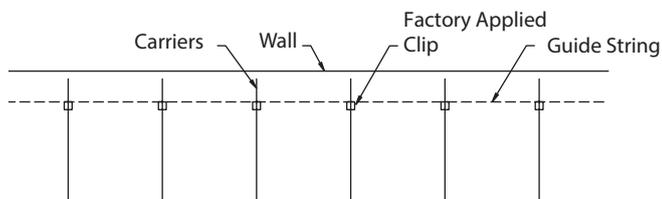
4. CEILING INSTALLATION

Ceiling installations are limited to runs (the direction of the run of the panels) of 2.4 metres or less. If the area is longer than that, you must interrupt the run with a break in the ceiling.

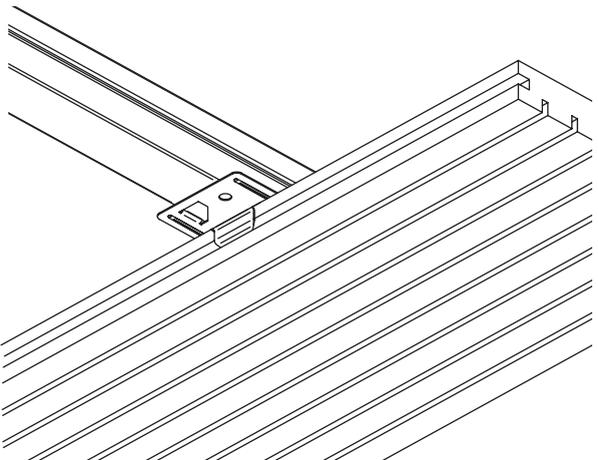
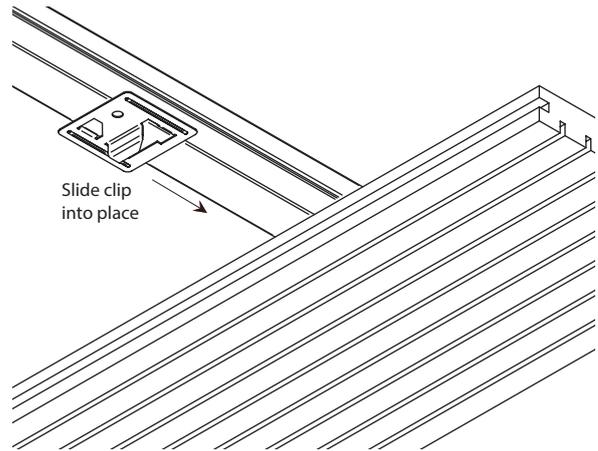
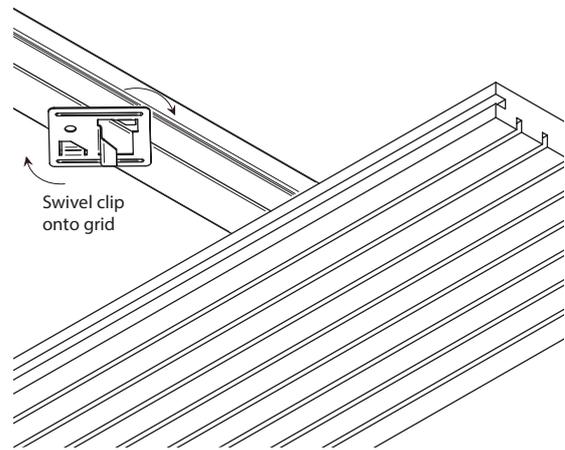
Install wall moulding on a level line around the room at the height of the finished ceiling. Install the main beams (Prelude 38) at a distance of 610mm (Imperial value – 2 feet) between each of them in a direction perpendicular to the direction of the woodworks channelled panels being installed. The first main runner should be at a distance of minimum 150mm from the side wall. Bend the hanger wires so the bottom of the mains are 15mm above the face of the moulding. Connect the mains with 610mm (Imperial value - 2 feet) cross tees at every 1200mm.



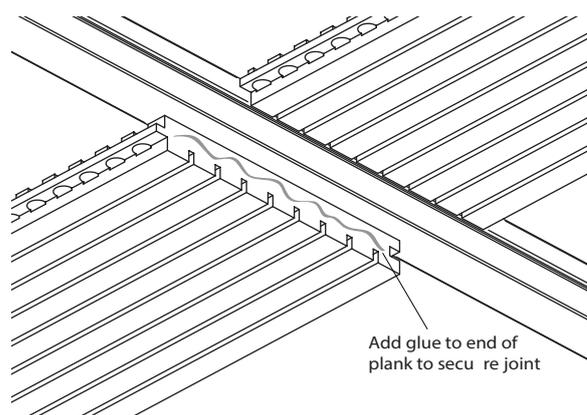
Stretch a string from one side wall to the other to align the first row of the panels. The string should be no more than 120mm from the end wall.



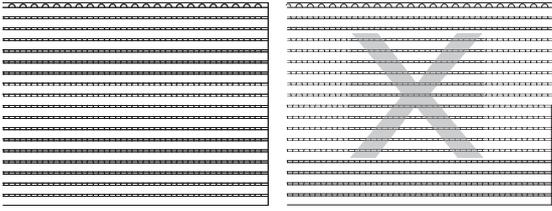
Measure from the end of the wall to the string several times and mark the first panel so you can cut it to width, after the width is adjusted, make another cut so the panels end under a main beam. Lay the panels such that the tongue edge of the panel is directly above the guide string. Twist an inside panel clip (GTPT003) onto the flange of the main beam and slide the clip into the tongue edge of the panel. Perform the same action on every main beam resulting in proper securing of the panel onto the grid.



Measure and cut the second panel to the width. Butt the end of the second panel against the end of the first with a small amount of wood glue at the butt joint. Install an inside clip at the butt joint (ensure that the panel ends on the main beam). Finish the first row by cutting the last panel approx. 10mm from the other side of the wall.



After the first row of panels has been installed, start the second row with full width panels. You may have to trim the end of the panels so the holes on the back of the panel line up with the holes in the first row.



When making the alignment cut in the first panel in each row, try to end the panel under the main beam. Once the first panel ends under a main beam, the rest of the panels in that row will also. If the panels does not end under a main beam, place an inside clip at the butt joint to help in the alignment.

Continue in this manner to the other end of the room. Cut the last row of panels 10mm short of the end wall

5. CUTTING

When you cut a plank to length, you can use normal woodworking tools, (e.g., circular saws, saber saws, hole saws, etc.). Penetrations for sprinklers (or other fixtures) can be accomplished by simple interruption of the wood planks at those locations or by using normal woodworking tools to cut access in the planks.

CAUTION: WOOD DUST. Sawing, sanding and machining wood products can produce dust. Airborne wood dust can cause respiratory, eye and skin irritation.

Precautionary measures: If power tools are used, they should be equipped with a dust collector. If high dust levels are encountered, use an appropriately designed dust mask. Avoid dust contact with eyes and skin.

First Aid measure in case of irritation: In case of irritation, flush eyes or skin with water for at least 15 minutes.

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