Installation Instructions

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GRAYKING INTERIOR SUPPLY

WoodWorks™ Grille Tegular

DO NOT REMOVE PRODUCT FROM THE CARTON UNTIL YOU HAVE READ THESE INSTRUCTIONS IN THEIR ENTIRETY.

1. GENERAL

1.1 Product Description

WOODWORKS Grille Tegular ceilings consist of 600 X 600 and 600 X 1200 panels designed to be installed on Armstrong Peakform Prelude 24mm wide T-Bar suspension system.

WOODWORKS Grille Panels are available in two pre-designed configurations: Horizontal Slats or Vertical Blades. Being Tegular or recessed edge panels, the Slats or Blades sit below the level of the grid.

1.2 Surface Finish

WOODWORKS Grille panels are made from 100% natural bamboo, with Slats or Blades screw fixed to backing boards, with a P16 Acoustical Fleece in between. Exposed faces and edges have a clear lacquer finish

1.3 Storage and Handling

The ceiling components shall be stored in a dust-free and dry interior location and shall remain in crates prior to installation to avoid damage. The crates shall be stored in a flat, horizontal position. The protectors between panels should not be removed until installation. Proper care should be taken when handling to avoid damage and soiling. It is important to ensure that the panels are not subjected to any mechanical influences, such as damage caused by the underlying surface.

Panels must not be exposed to extreme temperatures, for example, close to a heating source or near a window where there is direct sunlight. The installation company is responsible for the careful storage of panels.

1.4 HVAC Design & Operation

Proper design for both supply air and return air, maintenance of the HVAC filters and building interior space are essential to minimize soiling. Before starting the HVAC system, make sure supply air is properly filtered and the building interior is free of construction dust.

1.5 Site Conditions: Temperature & Humidity during Installation

Armstrong WOODWORKS ceilings are interior finishes and conditions during the installation should reflect this. Armstrong Ceilings recommends during installation that relative humidity should not exceed 99%, within a temperature range of 0 to 49º C and with the absence of any "standing water". Conditions following completion should be maintained as such, including proper ventilation of the plenum in high moisture areas and all windows and doors should remain in place.

Because of the risk of soiling, the installation of ceiling panels should only take place after the completion of any work generating large amounts of dust. The wearing of clean gloves is recommended for installation work. The ceiling installer is responsible for the satisfactory installation of the ceiling and adherence to industry best practice and in accordance with AS/NZS2785:2000.

2. PANEL EDGES

2.1 General

The edges of the Tegular panels feature 12mm thick backing boards which support the panel on the grid flanges.

3. SUSPENSION SYSTEM

3.1 General

The suspension system shall be Armstrong Peakform Prelude 24mm exposed tee grid.

3.2 Suspension Grid

The suspension system for 600 x 600 panels shall consist of Main Bars installed at 600mm centres with suspension points at 1200mm centres. The 600mm cross tees shall intersect the Main Bars at 90° every 600mm.

3.2.1 The suspension system for 600 x 1200 panels shall consist of Main Bars installed at 600mm centres with suspension points at 1200mm centres. The 600mm cross tees shall intersect the Main Bars at 90° every 1200mm.

3.2.2 In all cases, hangers shall be spaced not more than 1200mm on centre along the length of the Main Bars.

4. INSTALLATION

4.1 Cutting the Panel

Cut the panel using standard woodworking tools and techniques, and where possible, use a straight edge. A table saw is recommended for straight cuts and a Jig Saw for curved cuts. In both cases, panels should be cut face up to minimize chipping of the face veneer.

Fine-toothed blades are recommended for finish cuts and will yield the best results.

4.2 Border Panels

There are 3 options in treating cut border panels at the perimeter.

1. Install a margin so no cut panels are required.
2. Install a Wall Angle at the same height as the face of the ceiling panel. In this application, the wall angle will hide the cut edge of the panel.
3. The ceiling panel can be cut to suit the required measurements. To achieve this, the panel Slats or Blades will be required to be cut to suit. Additionally the support member on the back of the panel will need to be cut to size, ensuring it still sits correctly on the wall angle for support.

CAUTION! WOOD / BAMBOO DUST. Sawing, sanding, and machining wood or Bamboo products can produce dust. Airborne 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 appropriate NIOSH-designed dust mask.

Avoid dust contact with eyes and skin. First Aid Measure in case of irritation: Flush eyes or skin with water for at least 15 minutes.

4.3 Treating Exposed Edges

Cut panel edges that are exposed to view will have to be treated to look like factory edges. Sand back cut edges and ensure they are dust free. Apply a water based clear lacquer, such as "Vernites ACQUASOYZ" or similar, to approximate a factory finish.

5. SERVICE INTEGRATION – SERVICE BOX

Standard Service Boxes are available for the location of electrical and other services, including downlights, smoke detectors, EWIS, and sprinkler heads etc. Two Armstrong Service Boxes have been specifically developed to integrate services up to 110mm diameter and maximum 5kg, within either a Horizontal Slat or a Vertical Blade WoodWorks Grille Panel.

5.1 Service Box Installation Procedure

Service Box for Vertical Blades
- External Size: 133 mm x 133 mm
- Internal Size: 108 mm x 108 mm

Service box for Horizontal Slats
- External Size: 144 mm x 144 mm
- Internal Size: 120 mm x 120 mm

1. Service Box to be installed between vertical OR horizontal Grille sections

2. Position Service Box on back of panel and mark the scrim accordingly

3. Cut scrim with scissors

4. Cut Grille sections to correct length using a typical timber jig saw

5. Refinish the cut edges (refer Section 4.3)

6. Insert box in cut aperature.

7. The Service Box can easily be removed for location and maintenance of services. To install, simply cut face of service box to correct size using a jig saw.

6. CLEANING RECOMMENDATIONS

WOODWORKS TEGULAR panels can be cleaned with a soft, dry cloth.

MORE INFORMATION

For complete technical information, detail drawings, CAD design assistance, installation information and many other technical services, call your local Armstrong Ceilings representative.

For the latest product selection and specification data, visit armstrongceilings.com.au

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