

WOODWORKS Microlook

Assembly and Installation Instructions

1. GENERAL

1.1 Product Description

WoodWorks Microlook ceilings consist of perforated and unperforated 600x600mm panels designed to be installed on 15mm Suprafine43 or silhouette45 suspension systems.

1.2 Surface Finish

All panels shall be constructed of fibre board together between two layers of laminates finish. All exposed edges are banded with the same finish as the face.

1.3 Storage and Handling

The ceiling components shall be stored in a dry interior location and shall remain in cartons prior to installation to avoid damage. The cartons 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. Do not store in unconditioned spaces with humidity greater than 55% or lower than 25% RH and temperatures lower than 20°C or greater than 30°C. Panels must not be exposed to extreme temperatures, for example, close to a heating source or near a window where there is direct sunlight.

1.4 Site Conditions

WoodWorks Tegular ceiling materials should be permitted to reach room temperature and have a stabilized moisture content for minimum of 72 hours before installation. (Remove plastic wrap to allow panels to climatize.) They should not, however, be installed in spaces where the temperature or humidity conditions vary greatly from the temperatures and conditions that will be normal in the occupied space.

1.5 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.

1.6 Temperature & Humidity During Installation

WoodWorks panels are interior finish products designed for installation in temperature conditions between 20°C and 30°C, in spaces where the building is enclosed and HVAC systems are functioning and will be in continuous operation. Relative humidity shall not fall below 25% or exceed 55%. There shall be proper ventilation of the plenum in high moisture areas. All plastering, concrete, terrazzo, or any other wet work should be completely dry. All windows and doors should be in place. The heating, ventilating, and air-conditioning system should be installed and operable where necessary to maintain proper temperature and humidity conditions before, during, and after installation of the WoodWorks panels.

1.7 Color

WoodWorks panels may have variations in color and grain. To maximize visual consistency, panels should be unpacked and examined collectively to determine the most desirable arrangement for installation. Where consistency is critical, Armstrong can offer custom solutions to meet your budget and aesthetic requirements.

2. PANEL EDGES

2.1 General

The edges of the Microlook panels feature 3mm thick splines which support the panel on the grid flanges.

3. SUSPENSION SYSTEM

3.1 General

The suspension system shall be standard 15mm exposed tee grid. The installation shall, in all cases, conform to the requirements of the International Building Code and its referenced standards. Included in these requirements is the use of stabilizer bars or BERC2 clips to positively prevent the grid from separating at the walls.

Additionally, walls or soffits that serve to support a panel edge must be braced to the structure so as not to allow movement greater than 3mm when subjected to design lateral force loads. When such bracing is not practical or is not effective, additional mechanically connected

grid components shall be provided to capture all edges of every panel. Axiom® Perimeter Trim connected to the grid with AXTBRCI clips will also meet this requirement. The requirements listed here represent the manufacturer's minimum acceptable installation recommendations, and may be subject to additional requirements established by the local authority having jurisdiction.

3.2 Suspension Grid

The suspension system for 600 x 600mm panels shall consist of main beams spaced 1200mm O.C. The 1200mm cross tees shall intersect the main beams at 90° every 600mm. The 600mm cross tees shall be installed at the midpoints of the 1200mm tees.

In all cases, hangers shall be spaced not more than 1200mm on center along the length of the main beams and should be located not more than 150mm from a cross tee/main beam intersection. Also, the first suspension to be placed at minimum 150mm from wall/perimeter trim.

4. INSTALLATION

4.1 Cutting the Panel

Cut the panel using standard woodworking tools and techniques. A table saw is recommended for straight cuts and a band saw for curved cuts. In both cases, panels should be cut face up to minimize chipping of the face veneer. Fine-toothed blades recommended for finish cuts will yield the best results.

4.2 Cutting the Border Panel

A straight cutoff is possible if border clips are used to support the cut edge of perimeter panels. One border clip is required for each foot of panel edge (i.e., one clip for edges up to 300mm long and 2 clips for edges greater than 300mm up to 600mm). Clips and screws are included with the panels.

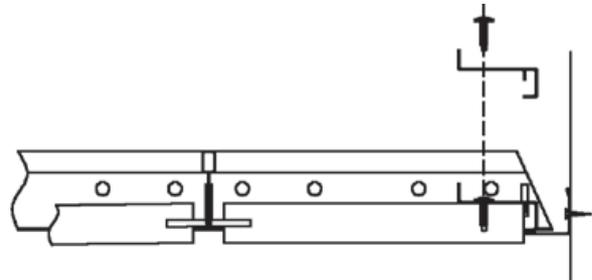
CAUTION! WOOD DUST. Sawing, sanding, and machining wood products can produce dust. Airborne wood dust can cause respiratory, eye, and skin irritation. The International Agency for Research on Cancer (IARC) has classified wood dust as a nasal carcinogen in humans.

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. Use hand gloves and goggles during operation.

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

4.3 Attach Border Clips

Apply WoodWorks Microlook border clips to the cut edge of the panel as shown. Use one screw in each clip.



4.4 Treating Exposed Edges

Cut panel edges that are exposed to view will have to be treated to look like factory edges. One can sand and stain, or paint exposed field cut edges to match the panel finish.

5. CLEANING RECOMMENDATIONS

WoodWorks Microlook panels can be cleaned with a soft, dry cloth.

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