

Installation Instructions

MetalWorks Mesh

1. GENERAL

1.1. Product Description

METALWORKS™ Mesh is a collection of Expanded, Woven and Welded galvanised steel, powdercoated, lay-in ceiling panels and suspension systems marketed by Armstrong World Industries.

2. INSTALLATION INSTRUCTIONS

Armstrong METALWORKS® Mesh ceilings are **INTERIOR FINISHES ONLY** and conditions during the installation should reflect this. Armstrong recommends during installation that relative humidity should not exceed 99%, within a temperature range of 0 to 49 degrees Celsius and with the absence of any "standing water". Conditions following completion should be maintained as such.

Because of the risk of soiling, the installation of ceiling tiles 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/NZS2785:2020.

Ceiling tiles should only be stored in a dust-free and dry area. It is important to ensure that the tiles are not subjected to any mechanical influences, such as damage caused by the underlying surface. Ceiling tiles delivered on pallets should be stored in their original packaging until they are installed. Where this is not possible, care should be taken to ensure that cartons are stored with the designated side facing upwards. The installation company is responsible for the careful storage of tiles.

The ceiling system is made up of Armstrong METALWORKS Panels which are supported by the Armstrong Suspension System comprising of Main & Cross Runners, with Hangers and Wall Angle which runs around the perimeter of the space.

The integrity of the entire suspended ceiling depends on the hangers – commonly 5mm gal rod is used, with some contractors using 2.5mm wire and M6 Threaded Rod (Both types meet Australian / New Zealand standard 2785-2020) which are used to support the Main Runners. Bracing is to be applied where required to ensure the Suspension System remains square.

***Note:** Specially designed MetalWorks Mesh Ceilings for EXTERIOR applications are available upon request. Contact your Armstrong Ceiling Solutions Representative for details and conditions.

2.1 Cutting Options

Cutting procedures for each type of METALWORKS™ Mesh are as follows:

CAUTION: Cut edges of metal parts can be extremely sharp! Handle metal carefully to avoid injury. Always wear safety glasses and gloves when working with metal.

NOTE: During cutting – To prevent scratching, apply protective material to the face of the panel.

2.2 Cold Cut Saw – For all Mesh options: Expanded, Welded and Woven

Cold cut saw (including jig saw or non friction blade apparatus) has the advantage of not transferring heat to the Mesh panel, preventing panel distortion and burning of paint.

Procedure: Mark panels and cut where required.

2.3 Wire Cutters – For Welded Mesh Only

Includes tools such as commercially available side cutters or wire cutters.

Procedure: Mark panels and cut where required.

2.4 Penetrations Cutouts

Procedure: Penetrations are created using the equipment and procedure described above depending on Mesh type. Exercise caution during this procedure as the hand will be in close proximity to the cut edge of the panel

2.5 Backloading

Unless approved, Armstrong METALWORKS™ Mesh Ceilings are designed to support only their own weight plus that of light weight insulation. All mechanical services must be independently supported. Contact Armstrong for more information if required.

3. MAINTENANCE

Ceiling tiles may be cleaned at any time. However, any maintenance work on suspended ceilings should only be carried out after the technical functions of the ceiling installation have been carefully checked. In cases of doubt, the relevant Armstrong sales office should be contacted.

In the case of damage to individual ceiling tiles, these can be exchanged within the systems. In such instances, especially after extended periods of use, colour variations may occur when individual tiles are replaced.

3.1 Armstrong – paint coatings

Armstrong ceiling tiles are finished with a polyester powdercoat.

3.2 Cleaning of Armstrong METALWORKS™ metal ceilings.

The frequency of cleaning will depend upon the function and usage of each area and the efficiency of the air conditioning/heating system. This period can only be determined after handover and occupancy. Although the ceiling materials are provided with durable paint finish, abrasive or strong chemical detergent should not be used. A mild detergent diluted in warm water applied with a soft cloth, rinsed and finally wiped off with a chamois leather will maintain the ceiling in good condition. Oily or stubborn stains if not removed by washing can be wiped off with white spirit but care is necessary to avoid affecting the gloss level of the paint finishes.

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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