

# METALWORKS™ MESH Installation and Maintenance

## GENERAL

### 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.

### Installation instructions

Armstrong METALWORKS™ Mesh Ceilings are interior finishes 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/NZS2785:2000.

Contact your Armstrong office for use of METALWORKS™ Mesh for exterior applications.

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.

### 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.

### 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.

### Wire Cutters – For Welded Mesh Only

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

**Procedure:** Mark panels and cut where required.

### 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

### 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.

### 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.

### Armstrong – paint coatings

Armstrong ceiling tiles are finished with a polyester powdercoat.

### 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.

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