

METALWORKS™ 3D

Installation Instructions

1. GENERAL

CAUTION: THE EDGES OF THE METAL PANELS ARE SHARP! WEAR HEAVY PROTECTIVE GLOVES WHEN HANDLING.

1.1 Product Description

MetalWorks 3D panels are 0.040" aluminum and available in 9/16" Tegular, 1", 2", 3", and 4" panel heights.

1.2 Surface Finish

MetalWorks 3D panels are pre-coated, and available perforated or unperforated in standard Whitelume (WHA), Silverlume (SIA), and Gun Metal (MYA), as well as various premium and custom finishes. Reflections™ is printed vinyl bonded to aluminum and provides wood-look finishes in Rock Maple (LRM), Light Cherry (LLC), and Wild Cherry (LWC). Optional BioAcoustic™ (item 5823) and fiberglass (item 8200100) infill panels, as well as field-cut mineral fiber backing (item 747) are available for increased sound absorption.

Panels may show a small area of exposed metal edge due to the forming process. Edge paint provided by others can help minimize this effect.

The surface of the panel is washable and soil-resistant.

1.3 Storage and Handling

The ceiling panels shall be stored in a dry interior location and shall remain in packaging prior to installation to avoid damage. No more than three cartons should be stacked on top of one another. Proper care should be taken when storing or handling panels to avoid damage or soiling.

MetalWorks 3D panels are wrapped with a plastic protective barrier that is to remain on the product until installation occurs.

1.4 Site Conditions

Building areas to receive ceilings shall be free of construction dust and debris. Products can be installed in conditions between 32°F (0°C) and 120°F (49°C) and in spaces before the building is enclosed, where HVAC systems are cycled or not operating. MetalWorks 3D cannot be used in exterior applications where standing water is present, or where moisture will come in direct contact with the ceiling.

MetalWorks 3D cannot be installed over areas such as swimming pools, which provide direct contact with corrosive agents (i.e., chlorine).

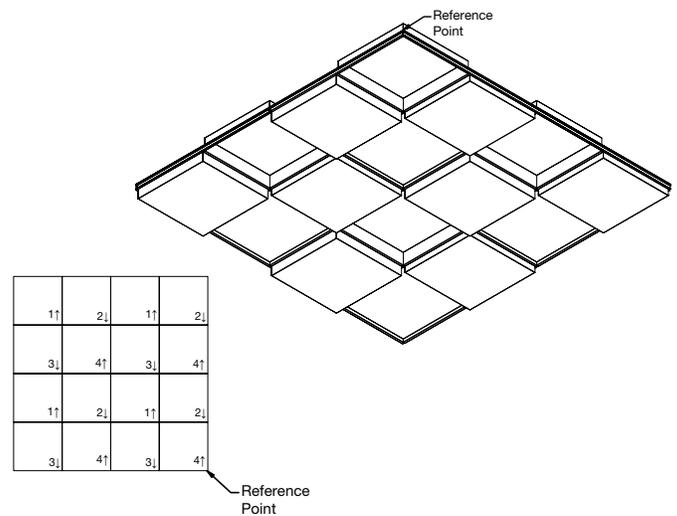
2. PANEL INSTALLATION & REMOVAL

2.1 General

MetalWorks 3D Tegular ceiling panels are easily installed and removed without the aid of tools or special equipment, allowing easy access to the plenum.

2.2 Installing Panels

To install the MetalWorks 3D panels, simply consult the design provided and insert the appropriate up or down panel, in the desired height, into the suspension system at the locations noted (see example below right).



At the reference point, panel 4↑ refers to installing a 4" up panel in the suspension system as pictured above.

3. PERIMETER DETAILS

While the actual materials used to trim out the perimeters of a MetalWorks 3D installation are varied, installations should only utilize full-size panels. White mineral fiber or fiberglass panels, as well as standard MetalWorks 3D 9/16" Tegular panels, are recommended for use as cut or border panels for this system. 1", 2", 3", and 4", up or down, 3D panels should not be cut.

4. PANEL PENETRATIONS

Cutouts in the center of the panel are created by first drilling or punching a hole near the center and then cutting in a spiral pattern to the finished size and shape. Exercise caution during this procedure as the hand will be in close proximity to the cut edge of the panel. This procedure can be followed for cutting in can lights. Sprinkler cutouts can be made with a hole saw. Standard tegular and 1" up or down 3D panels are recommended for use in can light or sprinkler locations.

MORE INFORMATION

For more information, or for an Armstrong representative, call 1 877 276 7876.

For complete technical information, detail drawings, CAD design assistance, installation information and many other technical services, call TechLineSM services at 1 877 276 7876 or FAX 1 800 572 TECH.

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

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