

Planostile Hook-On Tiles and Planks

MR-MANUFACTURER

Interfinish

4849 S. Austin Ave.
Chicago, IL 60638-1492
U.S. Toll Free: 800-560-5758
FAX: 800-560-5759

Interfinish is a division of the Chicago Metallic Corporation focused on Metal Ceiling Systems and Specialty Ceiling Systems. The wide variety of ceiling products include linear metal, open cell, baffles, skylights, metal tiles and planks, and security systems.

Interfinish was created in 1994 as a result of the acquisition of Alcan Building Products' Ceiling Division. Interfinish is a combination of Chicago Metallic's long history and experience of over 100 years in manufacturing building products, and Alcan's proven metal ceiling systems. Chicago Metallic's dedication and commitment to excellence extends to Interfinish with a strong focus on design innovation, quality and service.

Interfinish sales representatives are located all across the country to promptly respond to your project design needs in a professional and effective manner. The Interfinish team can provide you with the extra effort and technical expertise that will help your project run more smoothly from start to finish.

Planostile Metal Ceiling Tiles and Planks offer the high quality aesthetics of a metal tile at a surprisingly inexpensive cost. Starting with hot-dipped galvanized steel, a powder coat paint finish is applied to provide superior corrosion resistance. Six standard perforations, and virtually unlimited panel dimensions provide increased flexibility in design. Acoutex non-woven tissue for sound absorption is also available. Five styles are available: Flat Lay-In, Shallow Reveal-Edge Lay-In, Deep Reveal-Edge Lay-In, Snap-In Concealed, and Hook-On Tile and Plank.

SECTION 09500 - ACOUSTICAL TREATMENT

PART 1 - GENERAL

1.01 Scope

- A. Furnish and install the Planostile Hook-On Concealed Metal Plank Ceiling System as manufactured and supplied by Interfinish, a division of Chicago Metallic Corporation, Bridgeview, IL.

1.02 Related Sections

- A. Section 09120 Ceiling Suspension Systems
- B. Section 09545 Special Ceiling Surfaces
- C. Section 13020 Integrated Assemblies
- D. Section 13080 Sound, Vibration, and Seismic Control
- E. Section 15550 Heating, Ventilating, and Air Conditioning
- F. Section 16500 Lighting

1.03 References

A. American Society for Testing and Materials (ASTM)

1. C 635 - Standard Specification for the manufacture, performance, and testing of metal suspension systems for acoustical tile and lay-in panel ceilings.
2. C 636 - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels.
3. E84-Test Method for Surface Burning Characteristics of Building Materials.

1.04 Submittals

- A. Product data sheets listing dimensions, plank weight, plank style, and standards compliance.
- B. Samples: Manufacturer's sample of each type of ceiling unit (plank) proposed for each location.

1.05 Project Conditions

A. Environmental Requirements

1. Verify weathertightness of area to receive the Planostile system prior to installation.
2. Wet trades work to be thoroughly dry and complete prior to Planostile system installation.
3. Installation to begin only when temperature and humidity conditions closely approximate interior conditions which will exist when area is complete and occupied.
4. Heating and air conditioning systems to be operating prior to, during, and after installation.

1.06 Maintenance

- A. Furnish additional material equal to _____% of the ceiling system area.

PART 2 - PRODUCTS

2.01 Manufacturer

Planostile Hook-On Metal Plank Ceiling System as manufactured by Interfinish, 4849 S. Austin Avenue, Chicago, IL 60638.

2.02 Materials

A. Suspension System

1. Main Carrier

- a. Main carrier components of a J-shape design shall be utilized to suspend the Planostile Hook-On Metal Planks.
- b. The leg of the main carrier shall be formed in such a manner to receive the hook on legs of the Planostile plank and provide a tight interlock and alignment.
- c. The main carrier shall be formed from .050" steel and a length of 13'.

2. Primary Channel

- a. Primary channel components composed of a U-shape design used as the component accepting hanger wire.
- b. The primary channel shall be formed from .030" steel and a length of 13'.

3. Connector Clip

- a. A connector clip shall be used to connect the main carrier to the primary channel as manufactured by Interfinish.

B. Metal Planks and Accessories

1. Planostile Hook-On Metal Planks

- a. Planks shall measure 1' x 2' wide by 2' to 8' long.
- b. Planks shall be formed from (.024), (.028) hot-dipped galvanized steel. (perforated with Interfinish patterns (A), (B), (C), (D), (E), (F) or a custom pattern, to provide a _____% open.)
- c. Planks shall be painted with a baked powder coat finish .

2. Insulation
 - a. Poly-encased insulation pads, of (1"), (1-1/2") thickness and a density of (1), (1-1/2) pcf, shall be provided for sound absorption capabilities.
 3. Plank Inlay
 - a. Acoutex acoustical non-woven material to be inserted in the factory and adhered with glue to the back of the plank for sound absorption capabilities.
- C. Perimeter Treatment
1. Wall Channel
 - a. Channel shall be formed from .020 electro-galvanized steel, and shall be manufactured to a C-shape, with a 3/4" top leg, 1-9/16" I.D., and a 15/16" bottom leg. Length shall be 144".
 2. Hold-Down Insert
 - a. Hold-down insert shall be formed from the same material, with the exception of the finish, as the wall channel and shall be manufactured to a C-shape, with 3/4" legs, 1-1/2" I.D., and a (11"), (22") length. Finish shall be supplied by manufacturer.

PART 3 - EXECUTION

3.01 Examination

- A. Examine area receiving system to identify conditions which will adversely affect installation.
Do not begin installation until adverse conditions have been remedied.
- B. Verify completion of work above ceiling plane prior to plank installation.

3.02 Installation

A. Metal Planks

1. Metal Planks shall be supported by an appropriately installed Interfinish main carrier suspension system attached to an Interfinish primary suspension system utilizing the cross connector clip.
2. If necessary, folding acoustical batts shall be laid upon the back of the planks.
3. If necessary, utilize Interfinish hold-down clips to keep the folding acoustical batts in place.

B. Perimeter Treatment

1. Wall channel shall be affixed to all vertical surfaces intersected by the main carriers in accordance with an industry-accepted practice.
2. Hold-down inserts shall be inserted between the top leg of the wall channel and all metal planks at the perimeter of the installation.

3.03 Repair

- A. Remove damaged components, replace with undamaged components. Clean with non-solvent based non-abrasive commercial cleaning solution.