

Luvr-Grid Open Cell Ceiling System

MR-MANUFACTURER

Interfinish

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Interfinish is a division of the Chicago Metallic Corporation focused on Metal and Specialty Ceiling Systems. The wide variety of ceiling products includes 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 has local sales representatives located all across the country to promptly respond to your project needs, providing you with the extra effort and technical expertise that will help your project run more smoothly from start to finish.

PP-PRODUCT PRESENTATION

For a dramatic sense of openness, it's hard to beat the Interfinish Luvr-Grid Open Cell Ceiling System. This system provides a clean, monolithic appearance with a bold, large scale, open cellular ceiling. The 2' x 2' panels easily lay into a conventional T-bar suspension system allowing for 100% accessibility. Luvr-Grid shields plenum services and utilities while maintaining its impressive appearance.

Well-suited for commercial office, retail, and specialty accent applications. Luvr-Grid makes a striking statement that reflects success.

TS-TECHNICAL SUPPORT

Specification Guidelines

Luvr-Grid Open Cell Ceiling System

Section 09500 - Acoustical Treatment

PART 1 - GENERAL

1.01 Scope

- A. Furnish and install the Luvr-Grid Open Cell Ceiling System as manufactured and supplied by Interfinish, a division of the Chicago Metallic Corporation.

1.02 Related Sections

- A. Section 09120 Ceiling Suspension Systems
- B. Section 09130 Acoustical Suspension Systems

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

1.03 References

- A. American Society for Testing and Materials (ASTM)
 - 1. C 635 - Standard Specification for Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings.
 - 2. C 636 - Standard Recommended Practice for Installation of Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings.
 - 3. E-580 - Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels in Areas Requiring Seismic Restraint.

1.04 Submittals

- A. Product/Technical Literature
 - 1. Submit descriptive literature along with installation recommendations and practices as illustrated in Interfinish literature.
- B. Samples
 - 1. Submit Interfinish sample kit containing appropriate Luvr-Grid Open Cell ceiling samples.
- C. Shop Drawings
 - 1. Submit shop drawings illustrating appropriate placement and installation of the Luvr-Grid Open Cell Ceiling System.
- D. Certification
 - 1. Furnish certification of materials and system conforming to specification requirements.
 - 2. Provide written warranty against defective workmanship and materials for a period of ___ year(s) (up to 20 yrs. maximum) from filing notice of completion.

1.05 Project Conditions

- A. Environmental Requirements
 - 1. Verify that the area in which the Luvr-Grid Open Cell Ceiling System shall be installed is weathertight and dry.
 - 2. Installation shall occur only when temperature and humidity conditions closely approximate interior conditions that will exist when area is complete and occupied.
- B. Trade Requirements
 - 1. Heating or cooling systems shall be in operation in order to establish and maintain a suitable climate as referenced above prior to, during, and after installation.
 - 2. All wet trades work is to be dry and thoroughly complete prior to installation of the Luvr-Grid Open Cell Ceiling System.

1.06 Maintenance

- A. Replacement Material
 - 1. Furnish additional material equal to ___% of the ceiling system area.

PART 2 - PRODUCTS

2.01 Manufacturer

- A. Luvr-Grid Open Cell Ceiling System as manufactured by Interfinish, 4849 S Austin Ave, Chicago, IL 60638-1492.

2.02 Materials

A. Luvr-Grid Open Cell Ceiling System

1. Luvr-Grid Panel

- a. The panel shall measure 2' x 2' and be comprised of U-shaped metal blades, measuring 1" wide and 5" high, that interlock to form cell shapes (6" x 6") (8" x 8") (12" x 12"). The panels shall be manufactured from .024 aluminum with a standard -01 White finish, a finish as selected from the Interfinish color offering, or a custom finish.
- b. The panel blades shall be factory-assembled to create the appropriate cell size. The assembled cell panels shall be framed with metal blades of a similar height so as to provide a consistent appearance at the perimeter of the panel and conceal the supporting T-Bar grid system (see below).

2. Suspension System

- a. The Luvr-Grid Open Cell panel shall be supported by a 15/16" wide T-Bar grid system as manufactured by Interfinish or Chicago Metallic. The finish of the T-Bar grid system shall be -001 White so as to match identically with the standard white finish of the Luvr-Grid panel. For finishes other than white, notify both Chicago Metallic and Interfinish so that proper color coordination of grid and panel finishes will occur.
- b. The ceiling assembly shall meet structural requirements for a minimum lateral load of suspended ceiling weight. Materials, design and workmanship shall comply with the requirements for an intermediate-duty rating as described within ASTM C-635.
- c. When applicable, the ceiling assembly shall comply with seismic design requirements.

3. Perimeter Treatment

- a. A 1" x 5" L-shaped angle shall be made available as perimeter treatment for the Luvr-Grid Open Cell ceiling system. The angle shall be made of the same material as the Luvr-Grid panel and shall possess an identical finish.
- b. Custom perimeter treatments shall be made available upon request.

PART 3 - EXECUTION

3.01 Examination

- A. Examine the area in which the ceiling system is to be installed in order to identify any conditions that might adversely affect the installation of the ceiling system. Do not begin work until the adverse conditions have been corrected.
- B. Verify that all work performed above the ceiling plane by other trades has been completed prior to installation.

3.02 Installation

- A. Main runner components shall be suspended 4 ft. O.C. by not less than 12 gauge electro-galvanized steel hanger wire attached at 4 ft. intervals along the length of the main runner. The main runner components are to be interconnected by 4 ft. tee components installed at 2 ft. intervals along the length of the main runners. So as to complete the required 2' x 2' module, the 4 ft. tee components shall be bridged at midpoint by 2 ft. tee components.
- B. Luvr-Grid Open Cell panels shall lay into the 2' x 2' module created by the suspension components and be supported by the flanges of these components. When necessary, field-cut panels when room dimensions do not permit full 2' x 2' grid modules at the perimeter of the installation.
- C. Perimeter treatments shall be installed using industry-accepted practices, with care taken to minimize the placement of attachment devices in those areas where it is necessary to field-cut the panel so as to fit within non-standard modules at the perimeter of the installation.

3.03 Repair and Clean

- A. Repair any damaged or dented areas by removing and replacing the affected components.
- B. Clean all ceiling system components with a non-abrasive, non-solvent-based cleaning solution.