

This section includes ceiling grid covers. Systems are usually non-fire rated. This section includes proprietary and descriptive type specifications. Edit to avoid conflicting requirements. Acoustic ceiling panels and grids are specified in another section.

Part 1 General

1.1 SECTION INCLUDES

- A. PVC ceiling grid covers.

1.2 RELATED SECTIONS

List sections that specify installation of products directly associated with this section; indicate specific items. In above ceiling mechanical and electrical work, the placement of anchors can be a problem if not addressed before installation of ceiling suspension assembly. Coordination between the work of mechanical and electrical sections and the text of this article requires special consideration.

- A. Section [08 31 00 - Access Doors:] [_____-_____:] Access panels within ceiling area.
- B. Section 09 51 00 - Acoustic Ceiling Panels - Suspended.
- C. Section 09 53 33 - PVC Surface Mount Grid System: Grid assembly.
- D. Section 09 53 34 - PVC Suspended Ceiling Assembly: Grid Assembly
- E. Section [_____-_____:]: [Acoustic] partition system with head rails [attached to] [within] ceiling suspension assembly.
- F. Section [23 37 00] [_____] - Air Outlets and Inlets: Air diffusion devices in ceiling system.
- G. Section [26 51 00] [_____] - Interior Luminaires: Light fixtures in ceiling system.

1.3 REFERENCES

List reference standards that are included within the text of this section. Edit the following as required for project conditions.

- A. ASTM D638 - Standard Test Method for Tensile Properties of Plastics.
- B. ASTM D696 - Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30°C and 30°C with a Vitreous Silica Dilatometer.
- C. ASTM D790 - Standard Test Methods for Flexural Properties of Un-reinforced and Reinforced Plastics and Electrical Insulating Materials.
- D. ASTM D792 - Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement.
- E. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- F. CISCA (Ceilings & Interior Systems Contractors Association):

1. Ceiling Systems Handbook.
2. Acoustic Ceilings: Use and Practice.
- G. ISO 4611 - Plastics - Determination of the Effects of Exposure to Damp Heat, Water Spray and Salt Mist.
- H. UL - Fire Resistance Directory.
- I. USFDA (United States Food and Drug Administration)

1.4 SYSTEM DESCRIPTION

Use this article carefully; restrict statements to describe the combined result (PVC grid) of the components used to assemble the system. Coordinate with the Regulatory Requirements article below.

- A. Ceiling grid covers for use with ceiling grid assembly with a grid face width of [24] [25] [14] mm ([15/16] [1] [9/16] inch).
- B. Ceiling grid covers to not affect the acoustical performance of the ceiling system.

1.5 SUBMITTALS FOR REVIEW

Do not request submittals if drawings sufficiently describe the products of this section or if proprietary specifying techniques are used. Include a requirement for shop drawings only when special project conditions exist or when reflected ceiling plans are not provided on the working drawings.

- A. Section 01 33 00: Submission procedures.
- B. Shop Drawings: Indicate grid layout and related dimensioning, junctions with other work, interrelation of mechanical and electrical items related to system and [_____].
- C. Product Data: Provide data on PVC ceiling grid covers components and accessories.

Include the following paragraph for submission of physical samples for selection of finish, colour, surface texture, etc.

- D. Samples: Submit [two] [____] samples each, [200] [____] mm ([8] [____] inches) long, of grid covers.

1.6 SUBMITTALS FOR INFORMATION

The following submittals are informational; responsive action by the Consultant is not required.

- A. Section 01 33 00: Submission procedures.
- B. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention, and [_____].

1.7 QUALITY ASSURANCE

- A. Conform to CISCA requirements.
- B. Grid Installer: Company specializing in installing the Products specified in this section, authorized or certified in writing by the product manufacturer.

1.8 PROJECT CONDITIONS

- A. Section 01 32 13: Work scheduling.
- B. Sequence work to ensure grid covers are not installed:
 - 1. until dust generating activities have terminated,
 - 2. furniture, fixtures, equipment, flooring, and other adjacent finish materials are protected from soiling or damage and
 - 3. overhead work is completed, tested, and approved.

1.9 DELIVERY, STORAGE AND HANDLING

- A. Section 01 66 00: Storage and Handling.
- B. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Store cartons laid flat, protected from exposure to sun, and high temperature conditions as recommended by the manufacturer.

1.10 EXTRA MATERIALS

- A. Section 01 78 46: Extra materials.
- B. Provide the following to the Owner:
 - 1. a quantity of [5] [_____] percent of all grid covers and colors provided for the Work.

1.11 WARRANTY

- A. Warranty: Refer to Section [01 78 00.] [_____.]
- B. Limited Warranty: Twenty Five (25) years from product manufacturing defects.

Part 2 Products

2.1 CEILING GRID COVERS

In the following paragraph, list the manufacturers acceptable for this project. Edit the subsequent descriptive specifications to identify project requirements and to eliminate any conflict with specified manufacturer's products.

- A. Manufacturers:
 - 1. GridMAX, by Acoustic Ceiling Products (ACP), PO Box 1581, Appleton, WI, 54912-1581; Phone - Toll Free 800-434-3750; Fax - Toll Free 800-434-3751; e-mail to: support@acpideas.com; Web site: www.acpideas.com.
 - 2. Substitutions: [Refer to Section 01 62 00.] [Not permitted.]
- B. Grid Material:

1. Material: Virgin grade polyvinyl chloride (PVC). Laminated components are ABS (acrylonitrile butadiene styrene terpolymer) plastic, laminated with hot stamping foil

C. Grid Components:

The following two paragraphs identify grid components in (metric with inch-pound equivalents) and (metric only) grid components.

1. Manufacturer's Grid Cover Style (metric with inch-pound equivalents): GridMAX,
 - a. Model 210 - 24 mm (15/16 Inch) Grid Face, 1220 mm (48 inch) Main Cover.
 - b. Model 212 - 25 mm (1 inch) Grid Face, 1220 mm (48 inch) Main Cover.
 - c. Model 213 - 14 mm (9/16 inch) Grid Face, 1220 mm (48 inch) Main Cover.
 - d. Model 220 - 24 mm (15/16 inch) Grid Face, 584 mm (23 inch) Tee Cover.
 - e. Model 222 - 25 mm (1 inch) Grid Face, 584 mm (23 inch) Tee Cover.
 - f. Model 223 - 14 mm (9/16 inch) Grid Face, 584 mm (23 inch) Tee Cover.
 - g. Model 230 - 24 mm (15/16 inch) Grid Face, 1194 mm (47 inch) Tee Cover.
 - h. Model 232 - 25 mm (1 inch) Grid Face, 1194 mm (47 inch) Tee Cover.
 - i. Model 233 - 14 mm (9/16 inch) Grid Face, 1194 mm (47 inch) Tee Cover.
 - j. Model 250 - 24 mm (15/16 inch) Grid Face, 1220 mm (48 inch) Wall Molding Cover.
 - k. Model 252 - 25 mm (1 inch) Grid Face, 1220 mm (48 inch) Wall Molding Cover.
 - l. Model 253 - 14 mm (9/16 inch) Grid Face, 1220 mm (48 inch) Wall Molding Cover.
2. Manufacturer's Grid Cover Style (metric sizes): GridMAX,
 - a. Model 215 - 24 mm Grid Face, 1200 mm Main Cover.
 - b. Model 225 - 24 mm Grid Face Grid Face, 1200 mm Main Cover.
 - c. Model 235 - 24 mm Grid Face, 1200 mm Main Cover.
 - d. Model 255 - 24 mm Grid Face, 1200 mm Main Cover.
3. Grid Nominal Size: [610 x 610 mm (24 x 24 inches).] [610 x 122 mm (24 x 48 inches).]
4. USFDA (United States Food and Drug Administration) - Approval of the resin used in GridMAX ceiling grid covers for food processing applications.

D. Cover Finish:

- Finish Unpainted: White, (00) Metallic: Satin Black (07), Brushed Aluminum (08), Argent Silver (09), Argent Bronze (28) Copper Fantasy (11), Bermuda Bronze (17),

Moonstone Copper (18) Cracked Copper (19), Muted Gold (20), Cross Hatch Silver (21), Polished Copper (25) Smoked Pewter (27), Oil Rubbed Bronze (26), Argent Copper (10), Galvanized Steel (30), Brushed Nickel (29)

1. [Custom color.]

2.2 ACCESSORIES

- A. Tools: [Site-cutting tools,] [and] [_____] for installing grid assembly

Part 3 Execution

3.1 EXAMINATION

- A. Section 01 71 00: Verification of existing conditions before starting work..

3.2 INSTALLATION - GRID COVERS

- A. Install grid covers in accordance with manufacturer's instructions and as supplemented in this section.
- B. Install grid covers after major above ceiling work is complete.

3.3 SCHEDULE

Provide a schedule when various ceiling locations, ceiling assembly types, acoustic unit designs, or other variables require listing for clarity. The following are examples to illustrate a scheduled item:

- A. Public Areas: 1200 mm (48 inch) grid cover, Satin Black color.
- B. Dining Areas: 600 mm (24 inch) grid cover, Copper color.

END OF SECTION