

Product Name

CeilingMAX®

Manufacturer's Name

Acoustic Ceiling Products (ACP)

Surface Mount Grid System™

CeilingMAX

July 23, 2016

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PRODUCT DESCRIPTION

PRODUCT FEATURES

- **BASIC USES / RELATED USES**
 - PVC grid system, surface mounted to substrate.
 - Provides acoustic applications in low clearance areas.
 - Acoustic tile/panels not included.

- **PRODUCT ATTRIBUTES AND CHARACTERISTICS**
 - “0” clearance or direct mount grid system
 - Snap-in technology is easy to use and install
 - Snap-out technology provides ease of replacement or accessibility.
 - Provides access to plenum above.
 - Attaches directly over existing plaster, gypsum board, bottom of joist, or glue-up tiles.
 - Flexible to fit most 610 x 610 mm (24 x 24 inches) or 610 x 1220 mm (24 x 48 inches) flat lay in or revealed edge ceiling tile.
 - No demolition required prior to installation.
 - Available for standard 22 mm (7/8 inch) or 25 mm (1 inch) thick dimensional tile.
 - Intermediate duty class per ASTM C635 load classification 12lbs per lineal ft.

- **ENVIRONMENTAL**
 - PVC site cuttings and unused pieces can be collected and recycled.
 - Product may be recycled upon final disposal.

- **SELECTION CRITERIA**
 - Developed for applications requiring a ceiling that is directly applied to an existing surface such as an existing plaster, gypsum board, paste-up ceilings, or to wood joists.
 - Designed for applications where the minimum possible overall depth of system is necessary because of limited space or other reasons.
 - Tiles can be replaced or removed easily for access or any other reason by unsnapping the simple PVC grid system.
 - Suitable spaces for application include schools and universities, hospitals and health care facilities, food manufacturing and processing plants, restaurants, hotels and hospitality properties, gymnasiums and auditoriums, churches, and airports.

- **APPLICABLE STANDARDS, RELATED REFERENCES**
 - ASTM C665 - Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
 - ASTM D638 - Standard Test Method for Tensile Properties of Plastics.
 - ASTM D696 - Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30°C and 30°C with a Vitreous Silica Dilatometer.
 - ASTM D790 - Standard Test Methods for Flexural Properties of Un-reinforced and Reinforced Plastics and Electrical Insulating Materials.
 - ASTM D792 - Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement.

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- ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
 - ASTM E580 - Practice for Application of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Requiring Seismic Restraint.
 - CISCA (Ceilings & Interior Systems Contractors Association) - Ceiling System Handbook and Acoustic Ceilings Use and Practice.
 - ISO 4611 - Plastics - Determination of the Effects of Exposure to Damp Heat, Water Spray and Salt Mist.
 - UL - Fire Resistance Directory.
 - USFDA (United States Food and Drug Administration).
- **QUALITY STATEMENT, TESTS, AND CERTIFICATIONS**
- Fire Resistance to UL Design #94.
 - Fire Performance: Class A.
 - Standard: (flame spread 10, smoke developed 140) to ASTM E84.
 - Foil-faced finishes: Flame spread 15, smoke developed 250, to ASTM E84.
 - USFDA approval of the resin used in the CeilingMAX system for food processing applications.
 - Durometer Hardness: 82 to ASTM D2240.
 - Tensile Strength: 44.1 MPa (6400 psi); Tensile Modulus of 2,620 MPa (380,000 psi) to ASTM D638.
 - Flexural Strength: 77.9 MPa (11,300 psi); Flexural Modulus of 2,827 MPa (410,000 psi) to ASTM D790.
 - Heat Deflection Temperature: 73 degree Celsius (163 degree Fahrenheit) to ASTM D648.
 - Coefficient of Linear Expansion: 3.3×10^{-5} in/in/degree Fahrenheit to ASTM D696.
- **PACKAGING, HANDLING, PROTECTION, AND DELIVERY INSTRUCTIONS**
- Deliver materials within original CeilingMAX cartons and take care to handle and protect against unnecessary damages such as moisture, breakage, dirt, surface soiling, etc.
 - Allow all ceiling components to acclimate to room temperatures before installation.
- **SPECIAL WARRANTY**
- Limited Warranty: Twenty Five (25) years from product manufacturing defects.
- **LIMITATIONS**
- CeilingMAX is not intended for extremely high or low temperature service environments.
 - Certain chemical solvents should be avoided, contact manufacturer for more information.
 - Paint only unfinished components; paint may not adhere to other finishes.
- **AVAILABILITY**
- Nationally and internationally.
- **COST**

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PRODUCT DESCRIPTION

- Refer to Acoustic Ceiling Products, LLC. and authorized representatives for pricing.

PRODUCT PROPERTIES

- MATERIAL, COMPOSITION, AND DESIGN
 - Grid material: Virgin grade polyvinyl chloride (PVC)
 - Laminated material: Acrylonitrile butadiene styrene terpolymer (ABS) plastic laminated with hop stamping foil.
- SHAPE, MASS, AND DIMENSIONS
 - Grid Components:
 - Manufacturer's Grid Style: Acoustic Ceiling Products (ACP) "CeilingMAX"
 - * Patents Pending – Patent # 6,305,137 and 6,324,806

| Grid Face | Item # | Description | Dimensions |
|----------------------|--------|--------------|---|
| 24 mm (15/16 inch) | 100 | Top Hanger | 2440 x 38 x 12 mm (96 x 1-1/2 x 15/32 inches) |
| 24 mm (15/16 inches) | 110 | Runner | 2440 x 24 x 24 mm (96 x 15/16 x 15/16 inches) |
| 24 mm (15/16 inches) | 120 | Cross Tee | 576 x 24 x 27 mm (23 x 15/16 x 15/16 inches) |
| 24 mm (15/16 inches) | 150 | Wall Bracket | 2440 x 24 x 30 mm (96 x 15/16 x 1-3/16 inches) |
| 24 mm (15/16 inches) | 121 | Tee | 635 x 24 x 30 mm (25 x 15/16 x 1 inches) |

- Grid Nominal Size: 610 x 610 mm (24 x 24 inches).
- Profile:
 - PVC, top hanger, runner, cross tee 24 mm (15/16 inches) face width x 29 mm (1-1/8 inches) high.
 - Runner: Extruded PVC at 610 mm (24 inches) on center.
 - Cross Tees: Molded PVC at 610 mm (24 inches) on center.
 - Wall Bracket: Molded PVC mechanically fastened to existing substrate at 406 - 610 mm (16 - 24 inches) on center.
 - Top Hanger: Molded PVC mechanically fastened to existing substrate; notches at 610 mm (24 inches) on center, starting at 305 mm (12 inches) from ends.
- Bottom of Runner Face Width: 24 mm (15/16 inch).
- Grid Accessories: Model 170 Suspension Clip, Model 180 Concrete Clip, Model 190 FRP Clip.

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PRODUCT DESCRIPTION

- **SHOP FABRICATION AND ASSEMBLY**
 - All assembly is completed on site.
- **FINISH, COLORS AND TEXTURES**
 - **Standard Colors:**
 - 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)
 - Custom Colors: Contact manufacturer for colors.
 - Patterns: Custom on request.

PRODUCT PLACEMENT

- **PREPARATION WORK**
 - Perform installation as late as possible in the building process after any dust generating activities have been completed.
 - Examine surface for soundness of connections and ensure that surfaces are level enough to accept grid fastening.
- **INSTALLATION / ERECTION**
 - Install wall bracket around perimeter of room directly beneath the joist or substrate ceiling. Install gypsum board screws at 407–610 mm (16–24 inches) on center; miter corners.
 - Establish alignment so that equal amounts of tile appear on opposite sides of the room.
 - Fasten top hanger with screws. Install one screw per joist or 407–610 mm (16–24 inches) on center alternating each side of top hanger.
 - Install top hangers and cross tees using screws parallel to previous rows.
 - Cut and place border ceiling tiles first and install final cross tees.
 - Lock runners by snapping them into top hanger.
 - Contact manufacturer for detailed installation guide.

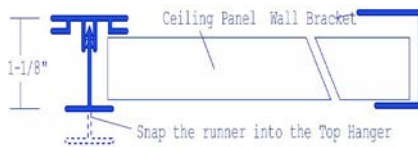
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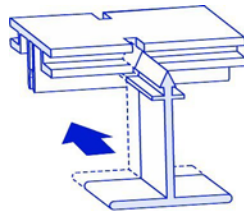
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Grid Member Profile



Grid Interface Options for Associated Acoustic Panels



Cross Tee Joint

- MAINTENANCE INSTRUCTIONS AND PROCEDURES
 - Clean with mild soap and water.
 - On a daily basis, moderate dust or vacuum clean with a soft, clean brush attachment.
 - On a weekly basis, provide manual wet cleaning.

Corporate Identification

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Technical Services Available

Products available nationally and from regional representatives.

Classification and Filing

MasterFormat 1995
Section 09530 - PVC Surface Mount Grid System
MasterFormat 2004
Section 09 53 33 - PVC Surface Mount Grid System
UniFormat
Section C3030 - Ceiling Finishes