

PRODUCT DESCRIPTION

PRODUCT FEATURES

- DESCRIPTION
 - Hot-dipped galvanized steel exposed ceiling grid system.
 - Web: <http://www.acpideas.com/index.cfm?XlinkID=67>.
- BASIC USES / RELATED USES
 - Intermediate load bearing, suspended ceiling grid system.
- PRODUCT ATTRIBUTES AND CHARACTERISTICS
 - Size: 24 mm (15/16”) grid.
 - Designed for 600 x 600 mm (2’ x 2’) or 600 x 1200 mm (2’ x 4’) panels.
 - Positive “click” locking assembly and easy disassembly
 - Resists twisting.
 - Corrosion Resistant.
 - Exposed, demountable.
 - Seismic resistant to Seismic Zones 0-2.
 - 3 hour fire rating – on request.
 - Compatible lighting fixtures – on request.
 - Online http://www.acpideas.com/uploads/ClsscX_Ctmpo_Info.pdf
- SUSTAINABILITY CRITERIA
 - Seismic resistant to Seismic Zones 0-2, per ASTM E580.
 - Steel is 100% recyclable.
 - Post-consumer recycled content: Minimum 23%, per LEED.
 - Post-industrial recycled content: Minimum 27%, per LEED.
- APPLICABLE STANDARDS, RELATED REFERENCES
 - ASTM E 119 – 12a Standard Test Methods for Fire Tests of Building Construction and Materials.
 - ASTM E 580/580M-11b: Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions.
 - ASTM C 635-12: Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.

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February 26, 2013

Page 2

PRODUCT DESCRIPTION

- ASTM E1264-08e1: Standard Classification for Acoustical Ceiling Products.
- EN 13501-1 (2010): Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests.
- EN 13501-2:2007+A1:2009: Fire classification of construction products and building elements - Part 2: Classification using data from fire resistance tests, excluding ventilation services.
- EN 13964:2004+A1:2007: Suspended ceilings - Requirements and test methods.
- **PERFORMANCE CRITERIA**
 - Seismic resistant to Seismic Zones 0-2, per ASTM E580.
 - Surface burning: Class A, tested to ASTM E119, ASTM E1264, EN 13964.
 - Load bearing: “Intermediate Duty”, to ASTM C635.
- **QUALITY STATEMENT, TESTS, CERTIFICATIONS, AND APPROVALS**
 - Testing to ASTM C635 and EN 13964 performed by ISO 17025 certified lab (LGA Nürnberg – TÜV Rheinland, Germany).
 - Pull-out force of cross tees, carried out with 1.15 kN (115 kg) tension.
- **PACKAGING, HANDLING, PROTECTION AND DELIVERY INSTRUCTIONS**
 - Deliver materials in original cartons and take care to handle and protect against damage such as moisture, breakage, dirt, surface soiling, etc.
 - Allow all ceiling grid components to acclimate to room temperatures before installation.
 - Store grid components flat, in a clean, dry area with consistent temperatures to avoid condensation and moisture collection.
 - During handling, do not slide components against each other or over rough surfaces to prevent scratching.
- **WARRANTY**
 - Warranty: Manufacturer’s limited warranty of 25 years.
- **AVAILABILITY**
 - USA and Canada, direct.
- **COST**
 - Varies with substrate condition and configuration, lapped or air-tight sealed joints, sealing requirements to surrounding construction, and relative size of building.
 - Consult manufacturer national or regional offices for specific product costs or relative costs.

Acoustic Ceiling Products, LLC.

February 26, 2013

Page 3

PRODUCT DESCRIPTION

PRODUCT PROPERTIES

- **MATERIALS**
 - 100% hot-dipped galvanized steel.
- **SIZES**
 - Grid Face Width: 24 mm (15/16") wide.
 - Mains: 38 mm (1-1/2") high x 3600 mm (12') long.
 - Cross Tees:
 - 32 mm (1-1/4") high x 1220 mm (4') long.
 - 32 mm (1-1/4") high x 610 mm (2') long.
 - Wall bracket: 19 mm (3/4") high x 304 mm (12") long.
 - Panel Size: Standard 610 x 610 mm (2' x 2') and 610 x 1220 mm (2' x 4') panels.
- **ACCESSORIES**
 - Hanger wire: Minimum 2 mm (12 gauge), provided by others.
- **MASS**
 - Suspension system: Weight approx. 1.2 – 1.25 kg/m².
- **SHOP FABRICATION AND ASSEMBLY**
 - Double web tee design.
 - Main runners: non-directional bayonet couplings.
 - Integral cross-tee end tabs.
 - Stepped-end-cross tee design.
 - Main tee: slots at 100 mm (4 inch) intervals.
 - Cross tees: slots at 600 mm (24 inch) intervals.
- **FINISH, COLORS**
 - Coil coated, white color.

PRODUCT PLACEMENT

- **PREPARATION**
 - Estimating guide chart and installation instructions:

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February 26, 2013

Page 4

PRODUCT DESCRIPTION

http://www.acpideas.com/uploads/ClsscX_Ctmpo_Info.pdf.

- Ceiling Estimator (for grid layout assistance):
http://www.acpideas.com/estimator.cfm?XlinkID=1&XRequireOnce=YES&CFID=2190933&CF_TOKEN=8116365
- Draw room to scale.
- Locate room centerline on the ceiling plan.
- Locate main tees:
 - Begin with the centerline and move toward each side wall marking 1220 mm (4 ft) intervals across the room width.
 - If more than 610 mm (2 ft) remain between the last mark and the side wall locate the main tees at these marks.
 - If less than 610 mm (2 ft) remain, locate the main tees at 1220 mm (4 ft) intervals beginning 610 mm (2 ft) on either side of the centerline.
 - Consider the location of light fixtures and air diffusers.
- Locate cross tees by drawing lines 610 mm (2 ft) on center, perpendicular to the main tees. Begin at the center of the room.
- **ERECTION**
 - Install according to OWA Installation guide 801 and ASTM E 580M-10a.
 - Recommended Suspension Depth: 75 – 100 mm (3 – 4 inches) from underside of soffit or floor; 120 mm (5 inches) for easier panel removal.
 - Secure integrated services separately.
 - Attach hanger wires with minimum three full turns.
 - Seismic Installation Requirements:
 - Ceilings greater than 93 sq m (1000 sq ft): Provide lateral face bracings.
 - Ceilings greater than 232 sq m (2500 sq ft): Separate with seismic joint.
 - Maximum distance from wall: 1.8 m (6 ft).
 - Horizontal restraints: Max. 3.6 m (12 ft) centers.
 - Secure four wires in all four directions to the main runner.
 - Angles not to exceed 45 degrees from the ceiling plane.
 - Brace bulkhead to structure of full height partitions.
 - Lateral bracing for horizontal restraint according to ASTM E 580M-10a.
- **WASTE RECYCLING**
 - This product is 100% recyclable.

Classic X Ceiling Grid System

OmniClass: 23-35 70 24 11 11 17

MasterFormat: 09 53 00

Commercial Grade Metal Grid System



Acoustic Ceiling Products, LLC.

February 26, 2013

Page 5

PRODUCT DESCRIPTION

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

Corporate Identification

Acoustic Ceiling Products, LLC.

P.O. Box 2581, Appleton, WI, 54912-2581

Product Information: 800-434-3750;

<http://www.acpideas.com>

Technical Services Available

800-558-0615

Classification and Filing

MasterFormat 2004:

09 53 00

MasterFormat 1995:

09530

OmniClass 2006:

23-35 70 24 11 11 17

UniFormat 2010:

C1070.90

END