

New Ceiling Tiles Product Specifications

New Ceiling Tiles, LLC, 5035 FM 2920 RD #401, SPRING, TX 77388-3114

Phone: 1-800-518-9835; Fax: 888-430-2520 Website: www.newceilingtiles.com

PRODUCT DESCRIPTION - Vinyl RP Ceiling Grid Covers

PRODUCT FEATURES

• BASIC USES / RELATED USES

- PVC grid covers, easily snaps over existing metal grid system.
- PVC grid covers snap over blemished or rusted existing metal tee and cross bars.
- Acoustic tile/panels not included.
- No demolition or downtime required.

• PRODUCT ATTRIBUTES AND CHARACTERISTICS

- Snap-on technology is easy to use and install.
- Compatible with imperial or metric grid system.
- Attaches directly over existing metal suspension system.
- No demolition required prior to installation.
- Main covers are pre-notched to provide seamless transitions at cross tee intersections.

• 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 new look or over existing rusting or scratched metal grid system.
- Designed for applications where the minimal amount of disruption is required.
- RP GRID COVER is an alternative to painting an existing substrate and is cost effective as a replacement.
- Suitable spaces for application include schools and universities, hospitals and health care facilities, food manufacturing and processing plants, restaurants, hotels and hospitality properties, office space, commercial retail space, and airports.

• APPLICABLE STANDARDS, RELATED REFERENCES

- 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.
- ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- CISCA (Ceilings & Interior Systems Contractors Association) - Ceiling System

• APPLICABLE STANDARDS, RELATED REFERENCES (cont.)

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

• **QUALITY STATEMENT, TESTS, AND CERTIFICATIONS**

- Fire Resistance to UL Design #94.
- Fire Performance: Class A.
- Standard finish: 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 RP GRID COVER 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 cartons and take care to handle and protect against unnecessary damage such as moisture, breakage, dirt, surface soiling, etc.
- Allow all ceiling components to acclimate to room temperatures before installation.

• **SPECIAL WARRANTY**

- Limited Warranty: Ten (10) years from product manufacturing defects.

• **LIMITATIONS**

- Non-fire rated.
- RP GRID COVER is not intended for extremely high or low temperature service environments – consider coefficient of linear expansion when applying to an existing metal grid assembly.
- Ensure compatibility with certain shadow line acoustic panels.
- Presence of certain chemical solvents should be avoided, contact NCT for more information.

• **AVAILABILITY**

- Nationally and internationally.

• **COST**

- Refer to New Ceiling Tiles, 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 hot stamping foil.

• SHAPE, MASS, AND DIMENSIONS

- Grid Components:
- Grid Nominal Size: 610 x 610 mm (24 x 24 inches) or 610 x 1220 mm (24 x 48 inches).

■ Manufacturer's Grid Cover Style: “GRP Grid Covers”:

■ Patent # 6,305,137 6,536,173 and 6,324,806

Grid Face	Item #	Description	Dimensions
24 mm (15/16 inch)	210	Main Cover	48 x 1 x 1/8 inches
25 mm (1 inch)	212		48 x 1-1/8 x 1/8 inches
14 mm (9/16 inch)	213		48 x 1/2 x 1/8 inches
24 mm (metric only)	215		1200 x 25 x 3 mm
24 mm (15/16 inch)	220	Tee Cover	23 x 1 x 1/8 inches
25 mm (1 inch)	222		23 x 1-1/8 x 1/8 inches
14 mm (9/16 inch)	223		23 x 1/2 x 1/8 inches
24 mm (metric only)	225		574 x 25 x 3 mm
24 mm (15/16 inch)	230	Tee Cover	47 x 1 x 1/8 inches
25 mm (1 inch)	232		47 x 1-1/8 x 1/8 inches
14 mm (9/16 inch)	233		47 x 1/2 x 1/8 inches
24 mm (metric only)	235		1174 x 25 x 3 mm
24 mm (15/16 inch)	250	Wall Molding Cover	48 x 1 x 1/8 inches
25 mm (1 inch)	252		48 x 1-1/8 x 1/8 inches
14 mm (9/16 inch)	253		48 x 1/2 x 1/8 inches
24 mm (metric only)	255		1200 x 25 x 3 mm

• SHOP FABRICATION AND ASSEMBLY

- All assembly can be completed on site.

• FINISH, COLORS AND TEXTURES

- Standard Colors:

■ **Unpainted:** White, paintable (00).

■ **Metallic:** Brass (04), Chrome (05), Satin Black (07), Brushed Aluminum (08), Silver (09), Copper (10), Copper Fantasy (11), Verdigris (16), Bermuda Bronze (17), Moonstone Copper (18) Cracked Copper (19), Muted Gold (20), Cross Hatch Silver (21), Gold (24), Polished Copper (25), Oil Rubbed Bronze (26), Smoked Pewter (27),

■ **Wooden:** Light Maple (12), Pearwood (13), Welsh Cherry (14) Medium Oak (06),

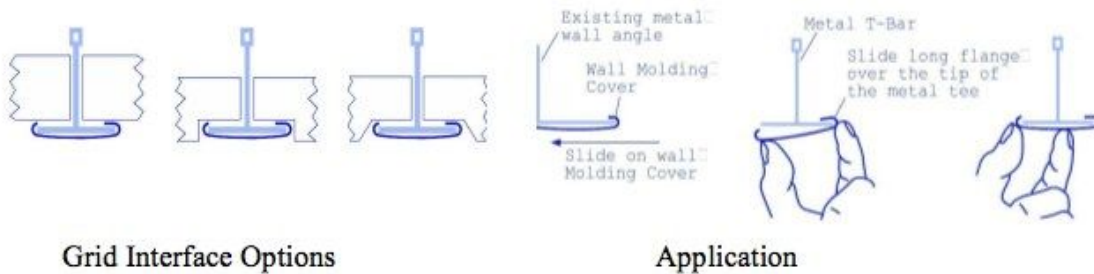
PRODUCT PLACEMENT

• PREPARATION WORK

- Perform installation as late as possible in the building process after dust generating activities have been completed.
- Examine existing grid assembly for soundness of connections and ensure that grid is level, to accept grid covers.

• INSTALLATION, ERECTION, APPLICATION, CONSTRUCTION

- Slide long flange over the tip of the metal tee and snap into place.
- Consult manufacturer for detailed instruction guide.



• 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.