

SECTION 09779

SANITARY CEILING PANELS

******* Parkland Plastics, Inc. is the foremost manufacturer in the United States of plastic sheets with 100 percent recycled content. They produce a broad range of waterproof, sanitary wall coverings and wall and ceiling panels for a variety of interior applications.**

This guide can be used to prepare a specification for incorporating SpectraTile sanitary ceiling panels into a competitively bid construction project. SpectraTile ceiling panels are waterproof, resistant to fungi and bacteria, durable, and recyclable. They are fabricated from extruded polyvinylchloride (PVC) foam and have decorative embossed texture surfaces. The panels are sized to be installed in suspended metal lay-in ceiling grids.

The specification section is organized by placing information in three standard parts:

- PART 1 - GENERAL** Describes administrative and procedural requirements.
- PART 2 - PRODUCTS** Describes materials, products, and accessories to be incorporated into the construction project.
- PART 3 - EXECUTION** Describes how the products will be installed at the construction site.

Throughout this product guide specification, references are made to other specification sections that might be contained in the project manual. These references are presented as examples and coordination reminders. For each project, these references will need to be revised to reflect actual sections being used.

Within the specification text, Imperial dimensions are presented first in brackets followed by System International Metric (SI) equivalents also in brackets. Depending on project requirements, either the Imperial or the SI metric equivalents will need to be deleted.

The specifier will need to edit this product specification for a specific project to reflect the options and applications being used. The guide section has been written so that most editing can be accomplished by deleting unnecessary requirements and options. Options are indicated by []. Notes to assist the specifier in selecting options and editing the specification guide are printed in bold and indicated with *******. For final editing, all brackets and notes will need to be deleted from the guide.**

PART 1 - GENERAL**1.1 SUMMARY**

A. Section includes: Waterproof, sanitary, ceiling panels installed in suspended ceiling grid of [kitchen] [food processing] [laundry] [toilet] [locker] [custodial] [animal containment] [_____] rooms.

B. Related sections:

******* List other specification sections dealing with work directly related to this section such as the following. *******

1. Section 09100 - Metal Support Assemblies: Ceiling suspension system to receive sanitary ceiling panels.

1.2 REFERENCES

******* List by number and full title reference standards referred to in remainder of the specification section. Delete non-applicable references. *******

A. American Society for Testing and Materials (ASTM) Publications:

1. ASTM E84 - Surface Burning Characteristics of Building Materials.

1.3 SUBMITTALS

A. Provide in accordance with Section 01330 - Submittal Procedures:

1. Product data for ceiling panels showing compliance with specified requirements.
2. Shop drawings: Indicate panel layout, dimensions, and installation details.
3. Sample: [5 by 7 inches] [127 by 178 mm] minimum size sample for sanitary ceiling panel in selected type, finish, and color.
4. Manufacturer's installation and maintenance instructions.

1.4 QUALITY ASSURANCE

A. Sanitary ceiling panels shall comply with:

1. United States Department of Agriculture (USDA) requirements for food preparation facilities, incidental contact.
2. Food and Drug Administration (FDA) 1999 Food Code 6-101.11.
3. State of California Proposition 65.

1.5 DELIVERY, STORING, AND HANDLING

******* SpectraTile panels expand and contract with temperature changes. Do not install panels in facility subjected to extreme temperature changes and avoid these conditions during delivery and storage. *******

- A. During delivery and storage keep sanitary ceiling panels flat on smooth dry surface. Avoid extreme temperature changes.
- B. Do not install sanitary panels until building is enclosed, painting is complete, and temperature and humidity are similar to conditions of completed, occupied building.
- C. Prior to installation, store materials for 24 hours minimum in area of installation to achieve temperature stability.

PART 2 - PRODUCTS**2.1 ACCEPTABLE MANUFACTURERS**

- A. Parkland Plastics, Inc., P.O. Box 339, 104 Yoder Drive, Middlebury, Indiana 46540; 800-835-4110; www.parklandplastics.com.
- B. Requests to use equivalent products of other manufacturers shall be submitted in accordance with Section 01630 - Product Substitution Procedures.

2.2 SANITARY CEILING PANELS

- A. Type: Waterproof, sanitary ceiling panels; SpectraTile as imported by Parkland Plastics, Inc.
- B. Material: Extruded polyvinylchloride (PVC) foam with embossed surface texture with 100 percent recyclable content.

******* Parkland Plastics, Inc, importers of the following SpectraTile panels. They vary in decorative textured surface pattern.**

SpectraTile 738 - Repertoire: Waffle pattern with beveled rectangles.

SpectraTile 742 - Millennium: Diamond pyramid pattern.

SpectraTile 754 - Finale: Flat matte surface.

SpectraTile 754 - Mystique: Small Diamond pattern. *****

All SpectraTile ceiling panels are provided with white color. Edit the following paragraph to indicate required surface finish and color. *****

- C. Surface finish and color: Waffle pattern with rectangles and white color; SpectraTile 738 - Repertoire] [Diamond pyramid pattern and white color; SpectraTile 742 - Millennium]

[Flat matte white surface; SpectraTile Finale] [Small diamond[white] surface; SpectraTile - Mystique] as imported by Parkland Plastic, Inc.

***** **SpectraTile panels are factory cut for installation in 24 by 24 inches (610 by 610 mm) or 24 by 48 inches (610 by 1219 mm) lay-in ceiling suspension grids. *******

D. Size: [23-3/4 by 23-3/4 inches] [23-3/4 by 47-3/4 inches] [603 by 603 mm] [603 by 1213 mm].

***** **SpectraTile 23-3/4 by 23-3/4 is 5/32 inch (4 mm) thick. SpectraTile 23-3/4 by 47-3/4 is 3/6 inch (5 mm) thick. *******

E. Thickness: [5/32] [3/16] inch. [[4, 5 mm.]

F. Performance characteristics:

1. Resistant to fungi and bacteria growth, cleaning agents, acids, and other chemicals.
2. No yellowing or color change with corrosive environments.

G. Fire tested in accordance with ASTM E84:

H. Physical properties: [_____].

PART 3 - EXECUTION

***** **SpectraTile ceiling panels are recommended for interior installation only. *******

3.1 PREPARATION

- A. Coordinate ceiling panel installation with provision of suspended metal ceiling grid system specified in Section 09100 - Metal Support Assemblies.
- B. Verify that plumbing, mechanical, and electrical services above ceilings have been installed, tested, and approved.

3.2 INSTALLATION

- A. Install sanitary ceiling panels in accordance with manufacturer's instructions and approved shop drawings at locations indicated on Drawings.

******* SpectraTile ceiling panels can be easily field cut since they do not contain fiberglass or other irritants. *******

- B. Cutting: Cut panels to fit irregular grid and perimeter edge trim. Cut with skill saw or table saw. Use hole saw to cut penetrations for recessed light fixtures, sprinkler heads, and other components.
- C. Fit ceiling panels in place, free from damaged edges or other defects. Install level, in uniform plane, and free from twist or warp.
- D. Install hold-down clips to retain panels tight to grid system adjacent to exterior doors.
- E. Cleaning: Vacuum or brush grid and panels to remove dust. Clean grid and panels of all marks, smudges, and clinging dirt with moist cloth and mild soap. Remove all debris from space above ceiling.
- F. Protect installed panels from subsequent construction activities.

END OF SECTION