



PART 1 — GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the contract, including general and supplementary conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following: ceiling tiles composed of waterproof solid plastic construction:
 - 1. Commercial ceiling tiles [2' x 4', and 2' x 2'].
 - 2. Installation.
- B. Related Sections include the following:
 - 1. Parkland™ SpectraTile™ LEED applicability: see section 1.4 E. LEED submittals. Manufacturer's product content statement available upon request.
 - 2. Division 9 Section "Ceiling Tiles".

1.3 DEFINITION

- A. Parkland SpectraTile ceiling tiles defined as: Non-porous, waterproof polymer ceiling tiles maintaining the same composition throughout the part, meeting applicable building materials standards; NEMA, UL, ANSI, ASTM, having minimum physical, performance, and environmental properties specified.
- B. Appearance: Monochrome colored tile.

1.4 SUBMITTALS

- A. Product data:
 - 1. SpectraTile solid polymer ceiling tiles.
 - a. Chemical resistance, no effect with:
 - 1) Soapy Water
 - 2) Detergent Solution
 - 3) Ammonia-based cleaners
 - 4) Isopropyl Alcohol
- B. Installer instruction requirements:
 - 1. Show location of areas where ceiling tiles are to be installed.
 - a. Commercial installations: Show locations and sizes of cutouts, panel seams, and holes for fixtures, and other items installed in any ceiling tile panels.
 - 2. For notches and cut outs, leave minimum 1/4" smooth radius at all inside corners to distribute stress.
- C. Samples:
 - 1. For each ceiling tile product specified.
 - a. Manufacturer will supply minimum 4-inch by 4-inch sample in specified finish.
 - b. Indicate full range of color and pattern variation.
 - 2. Approved samples will be retained by manufacturer as a standard for work.
- D. Product data:
 - 1. Product description, installation information and compliance with specified performance requirements to be agreed upon prior to receipt of order.
- E. LEED submittals:
 - 1. MR Credit 5.1 and 5.2 Regional Materials:
 - a. Product origin: Middlebury, Indiana.
 - b. Product weight for SpectraTile standard products: are .4 Lb./ S.F.
 - c. Product weight for SpectraTile Acoustic product: is .5 Lb./ S.F.
- F. Product certificates:
 - 1. Signed manufacturer's statement of compliance available upon request with each purchase order.
- G. Fabricator/installer qualifications:
 - 1. Tile installation requires no training. Tiles may be reasonably bowed during installation process and are resilient and difficult to permanently deform.
- H. Maintenance data:
 - 1. Use and Care Guide available upon request.



1.5 QUALITY ASSURANCE QUALIFICATIONS

- A. Applicable standards:
 - 1. Standards of the following, as referenced herein:
 - a. American National Standards Institute (ANSI)
 - b. American Society for Testing and Materials (ASTM)
 - c. Underwriters Laboratories (UL)
 - d. National Electrical Manufacturers Association (NEMA)
 - 2. Fire test response characteristics:
 - a. UL Classified under NFPA 286, passes Life Safety Code 10.2.3.7.3

1.6 DELIVERY, STORAGE AND HANDLING- Manufacturer will:

- A. Deliver no components to project site until areas are ready for installation.
- B. Store components indoors prior to installation.
- C. Handle materials to prevent damage to finished surfaces.

1.7 WARRANTY

- A. Provide manufacturer's warranty against defects in materials.
 - 1. Warranty shall provide material to repair or replace defective materials.
 - 2. Damage caused by physical or chemical abuse or damage from excessive heat or abrasion will not be warranted.
 - 3. Warranty shall be non-transferable to subsequent owners.
- B. Manufacturer's Warranty Period:
 - 1. Ten years from date of purchase.

1.8 MAINTENANCE

- A. Routine and regular cleaning with soapy water.
- B. With routine cleaning dirt and stains will not build up, see Use and Care Guide for more information.
- C. SpectraTile can be pressure-washed with mild detergent with excellent results. **[Use a fan spray pattern, pressure under 1000 PSI and keep nozzle at least 18" from surface of tile]** Test pressure settings and distance from the nozzle to the tile surface for good results prior to commencement of pressure-washing as excess pressures can damage surface finish.

PART 2 — PRODUCTS

2.1 MANUFACTURER

- A. **Parkland Plastics™**
104 Yoder Drive
Middlebury, INDIANA
46540 USA
1-800-835-4110

2.2 MATERIAL PROPERTIES

- A. Description:
 - 1. Parkland™ SpectraTile™ ceiling tiles defined as: Non-porous, waterproof polymer ceiling tiles maintaining the same composition throughout the part, meeting applicable building materials standards; NEMA, UL, ANSI, ASTM, having minimum physical, performance, and environmental properties specified.
- B. Thickness:
 - 1. Parkland SpectraTile 2' x 2' tiles: .160" [5/32"]
 - 2. Parkland SpectraTile 2' x 4' tiles: .200" [3/16"]
 - 3. Parkland SpectraTile Acoustic, all tiles: .250" [1/4"]
- C. Tile sizes:
 - 1. Parkland SpectraTile: 2' x 2', and 2' x 4'
 - 2. Parkland SpectraTile Acoustic: 2' x 2', and 2' x 4'

2.2 MATERIAL PROPERTIES (continued)
D. Performance characteristics:

1. SpectraTile™, all sizes and finishes.

Specific Gravity	ASTM D792		0.65 +/- 0.03
Tensile Strength	ASTM D638	psi	1422
Tensile Modulus of Elasticity	ASTM D638	psi	108090
Flexural Modulus of Elasticity	ASTM D790	psi	156450
Compressive Strength	ASTM D695	psi	11840 +/- 1191
Flexural Strength	ASTM D790	In. Lbs./ Sq. In.	1778
IZOD Impact Strength	ASTM D256	psi	5.6
Heat Deflection Temperature	ASTM D648	Degrees F	122
Noise Reduction Coefficient	ASTM C423		0.65 NRC
Flammability	NFPA 286	Life Safety Code 10.2.3.7.3	Passes
Mold and Mildew Resistance	ASTM D-3273	1-10	10 (best)

2.3 Institutional Affiliations and Approvals

- A. Complete NAHB stain testing results available.
- B. Underwriters Laboratories: UL Classified under NFPA 286
- C. IBC 2603.9- passes
- D. Life Safety Code: Passes 10.2.3.7.3

2.4 Material Qualifications

- A. SpectraTile scrap can be recycled as grade #3 material.
- B. Does not support the growth of mold or mildew.
- C. All products 100% fiberglass-free
- D. All products 100% waterproof

2.5 Accessories, Adhesives, and Sealant

- A. None required.

2.6 Finishes- Select from manufacturer's available standard and custom

- A. Color:
 1. Matte White
- B. Finish [pattern]:
 1. Finale, Millennium, Mystique, Repertoire, Acoustic

PART 3 — EXECUTION [Installation process]
3.1 EXAMINATION

- A. Upon request, manufacturer will assist customer, with installer present, to examine supporting fixtures with installer present for compliance with requirements.
- B. Installers to proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION: Installer will:

- A. Install ceiling tiles in support fixtures [grid] in accordance with approved specifications.
 1. Finish any cut tile edges for a workmanlike appearance with fine sandpaper.
 2. Remove surface residue and clean entire surface.

3.3 CLEANING AND PROTECTION

- A. Keep components clean during installation, or clean and cover with protective covering.
- B. Remove adhesives, sealants and other stains.

3.4 SCHEDULE

- A. Ceiling tiles:
 - a. Pattern _____ Color Matte White _____

ARCHITECT'S SPECIFICATION:

Parkland™ SpectraTile™ Architectural Specification:

Ceiling tiles shall be of solid polymer alloy material*. Tiles shall be 100% waterproof, and not support the growth of mold or mildew.

* Less than 500 ppb toluene; no other detectable VOC's

Approved manufacturer:

Parkland Plastics™
104 Yoder Drive
Middlebury, INDIANA 46540

Color to be: Matte White

- Finale
- Mystique
- Acoustic
- Millennium
- Repertoire

For more information call: 800.835.4110 • or Visit: www.parklandplastics.com

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