

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. 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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