



## **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 100% non-porous polymer surface over dense material mineral alloy for superior performance without sacrificing cleanability
  1. Commercial ceiling tiles [2' x 4', and 2' x 2'].
  2. Installation.
- B. Related Sections include the following:
  1. Parkland™ MagnaTile™ 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 MagnaTile™ ceiling tiles are defined as waterproof polymer veneer surface over a core composition of high density, VOC-free, compressed mineral and industrial fiber alloy construction, maintaining the same composition throughout the part with an energy managing rear surface, meeting applicable building materials standards; NEMA, UL, ANSI, ASTM, having minimum physical, performance, and environmental properties specified..
- B. Appearance: Monochromatic colored tile.

### **1.4 SUBMITTALS**

- A. Product data:
  1. MagnaTile water-resistant mineral alloy 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: [All finishes].
    - a. Product weight for MagnaTile standard product: are 1.0 Lb./ S.F.
    - b. Product origin: Middlebury, Indiana.
- 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.
- 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)

2. Fire test response characteristics:

- a. Provide with the following Class A (Class I) surface burning characteristics as determined by testing identical products per UL 723 (ASTM E84) or another testing and inspecting agency acceptable to authorities having jurisdiction:

- 1) Flame Spread Index: 0 (Class-I)
- 2) Smoke Developed Index: 0 (Class-I)

### 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. Five years from date of purchase.

### 1.8 MAINTENANCE

- A.** Routine and regular cleaning with soapy water.
- B.** Removal of stains with common household cleansers, and a small amount of cleaning solution in a rag for very stubborn stains. See ***Ceiling Tile Products Use & Care Guide*** for more information.

## 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 MagnaTile™ ceiling tiles are defined as waterproof polymer veneer surface over a core composition of high density, VOC-free, compressed mineral and industrial fiber alloy construction, maintaining the same composition throughout the part with an energy managing rear surface, meeting applicable building materials standards; NEMA, UL, ANSI, ASTM, having minimum physical, performance, and environmental properties specified..

- a. Thickness: 0.250" [1/4"]
- b. Sizes: 2' x 2', and 2' x 4'

### 2.2 MATERIAL PROPERTIES (continued)

#### B. Performance characteristics:

##### 1. MagnaTile™

ASTM E-84	Flame spread	0
ASTM E-84	Smoke Development	0
Density	Pounds/ SF	1.0
ASTM D-3273	Mold Resistance	10 [best]
ASTMD-256	NRC Coefficient	.55 [acoustic]
Ion Chromatography	VOC Content	0
Ion Chromatography	Corrosive Content	0

### 2.3 Institutional Affiliations and Approvals

- A. Complete NAHB stain testing results available.
- B. UL-Passes E-84, Class-I

### 2.4 Material Qualifications

- A. Does not support the growth of mold or mildew.
- B. All products 100% fiberglass-free
- C. All products VOC-free
- D. All products free of corrosive materials.

### 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. Acoustic II, Staccato
  - 2. Other finishes available by special order.

## 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. For notches and cut outs, leave minimum 1/4" smooth radius at all inside corners to distribute stress.

### 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™ MagnaTile™ Architectural Specification:**

Ceiling tiles shall be of high-pressure magnesium mineral alloy with two-side lamination of waterproof polymer front surface, and energy managing rear surface. Tiles shall be water-resistant, and not support the growth of mold or mildew, and shall have a Class-I fire rating with 0 flame spread and 0 smoke development.

### **Approved manufacturer:**

**Parkland Plastics™**  
**104 Yoder Drive**  
**Middlebury, INDIANA 46540**

Color to be: Matte White

- ☐ Acoustic II
- ☐ Staccato

For more information call: 800.835.4110 • or Visit: [www.parklandplastics.com](http://www.parklandplastics.com)

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