



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: commercial wall panel system, components, and fasteners:
 - 1. 1/2" Class-A wall panels with heat-treated steel framing [4' x 8', and custom sizes].
 - 2. Installation
 - 3. Care and maintenance
- B. Related Sections include the following:
 - 1. Parkland™ Architectural Grade Wall Panels LEED applicability: see section 1.4 E. LEED submittals. Manufacturer's product content statement available upon request.
 - 2. Division 9 Section "Wall Panels".

1.3 DEFINITION

- A. Parkland Architectural Grade Wall Panels are defined as non-porous densified polymer veneer surface over high pressure mineral and industrial fiber alloy with no detectable VOC or corrosive materials, 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: Colored wall panel.

1.4 SUBMITTALS

- A. Product data:
 - 1. Architectural Grade Wall System laminated panel with decorative polymer veneer.
 - a. Chemical resistance, no effect with:
 - i. Soapy water
 - ii. Detergent solution
 - iii. Ammonia-based cleaners
 - iv. Isopropyl alcohol
- B. Installer instruction requirements:
 - 1. Show location of areas where panels are to be installed.
 - a. Commercial installations: Show locations and sizes of cutouts, seams, and holes for fixtures, and other items installed in any panels.
 - b. Finish all cutouts to a smooth 1/4" minimum radius to distribute stress.
 - c. Use only Parkland attachment hardware and Parkland-recommended fasteners and procedures.
- C. Samples:
 - 1. For each panel 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.
 - 2. Product data: see also manufacturer's product documents.
 - i. Product Overview Guide, ii. Product Use & Care Guide, iii. Product Installation Instructions, iv. Product installation video, v. Official product warranty
- E. LEED submittals:
 - 1. MR Credit 5.1 and 5.2 Regional Materials, and IEQ 4.1 Low Emitting Materials:
 - a. Product weight for Architectural Grade Panels: 1.2 Lb. / S.F.
 - b. Product origin: Middlebury, Indiana.



1.4 LEED SUBMITTALS (continued)

F. Product certificates:

1. Signed manufacturer's statement of compliance available upon request with each purchase order.

G. Fabricator/installer qualifications:

1. Panel System installation requires no specific training. Panels may be reasonably laid out, trimmed to size, and panels and trim moldings installed without difficulty by experienced panel installers. See Manufacturer's installation guide.

H. Maintenance data:

1. Use and Care Guide available upon request.

1.5 QUALITY ASSURANCE QUALIFICATIONS

A. Installer qualifications:

1. Work of this section shall be by a trained installer, receipt of training materials may be certified in writing by the manufacturer.

B. 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: 25 or less (Class I). 2) Smoke Developed Index: 450 or less.
 - b. Note: A.G. Wall System panels are Class-A, and test to class A with standard Parkland veneers. Manufacturer makes no specific claim with respect to other specified veneer materials.
 - c. Note Panel core materials tested to 0 smoke developed and 0 flame spread, all test data under section 2.2 with standard Parkland veneers.

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.
- C. Panels are sealed at both ends in factory and all panel gaps are sealed with flexible water resistant flanges in proper installation so completed installations are water resistant with respect to cleaning and sanitization procedures.

PART 2 — PRODUCTS

2.1 MANUFACTURER

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



PART 2 — PRODUCTS (continued)

2.2 MATERIAL PROPERTIES

A. Description:

1. Parkland Architectural Grade Wall Panels are defined as non-porous densified polymer veneer surface over high pressure mineral and industrial fiber alloy with no detectable VOC or corrosive materials, 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. Configuration:

1. 1/4" nominal high-pressure [6mm] Class-A mineral board with 1/4" [6mm] back battening, secured to hardened steel framing.

C. Thickness:

1. Panels: 1/2" [12mm]

D. Panel size:

1. Parkland Architectural Grade Wall System™: 4' x 8', custom

E. Performance characteristics:

1. Architectural Grade Wall System [per testing on panels with standard Parkland veneers].

ASTM E-84	Flame Spread	≤25
ASTM E-84	Smoke Developed Index	≤450
Density	Pounds/ S.F.	1.2
ASTM D-3273	Mold Resistance	10 [best]
ASTM D-1308	Stain Resistance	No Effect*
Ion Chromatography	VOC Content	0
Ion Chromatography	Corrosive Content	0

*When cleaned with Parkland-recommended cleaners.

2.3 Institutional Affiliations and Approvals

A. NAHB

1. Complete stain testing results available.

B. Underwriters Laboratories: UL Classified under NFPA 286

C. IBC 2603.9- passes

2.4 Material Qualifications

A. Architectural Grade Wall System panel core materials contain no corrosive materials and have no detectable VOC's.

B. Does not support the growth of mold, or mildew.

C. All products 100% fiberglass-free.

2.5 Accessories, Adhesives, and Sealant

A. Panel system moldings:

1. Reveal molding [8mm]
2. Reveal molding cap [optional]
3. Cap molding
4. Corner molding [universal inside and outside corner]

2.5 Accessories, Adhesives, and Sealant (continued)

B. Protective moldings:

1. Parkland EcoTUFF™ solid polymer moldings:
 - a. Base moldings 4" to 10" high
 - b. Chair molding
 - c. Crown molding (required to lock panels to wall)



2.6 Finishes- Select From Manufacturer's Available Standard and Custom

- A. Color:
 - 1. Various finishes, standard and optional
- B. Finish [pattern]:
 - 1. Standard matte

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 shall:

- A. Install panels onto mounting frames [grid] only in accordance with manufacturer-approved procedures and specifications.
 - 1. Finish any cut panel edges for a workmanlike appearance with fine sandpaper and black paint.
 - 2. Remove adhesives, sealants and other stains.

3.3 CLEANING AND PROTECTION

- A. Keep components clean during installation, and cover with protective covering.

3.4 SCHEDULE

- A. Panels:
 - 1. Pattern _____ Color _____

ARCHITECT'S SPECIFICATION:

Parkland Architectural Grade Wall System™ Architectural Specification:

Class-A fire-rated substrate with decorative veneer facing. Wall panel materials shall contain no corrosive materials, shall have no detectable VOC materials, and maintain dimensional stability even when wet, and not support the growth of mold or mildew.

Approved manufacturer:

Parkland Plastics™
104 Yoder Drive
Middlebury, INDIANA 46540

Color to be: _____

Finish to be: _____

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

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