



## **PART 1 — GENERAL**

### **1.0 SUMMARY**

- A. Interior, washable, solid polymer-clad plywood or oriented strand board (OSB) direct-to-stud wall panels:
  - 1. Commercial Wall Panels (Typically 4' x 8', 10', 12').
  - 2. Material Standards, Performance, and Qualifications.
  - 3. Product Color, Size, and Performance Availability.
  - 4. Installation and Material Protection.
  - 5. Product Care and Cleaning.
  - 6. Specification Language.
- B. Related Sections include the following:
  - 1. Parkland™ DURO-LAM™ LEED applicability: see section 1.5 F. LEED submittals. See manufacturer's product content statement available upon request.

### **1.1 RELATED SECTIONS**

- A. Section 06050 Wood and Plastics.
- B. Section 9200 Plaster, Stucco, and Gypsum Board.
- C. Section 09770 Special Wall Surfaces and Plastics.
- D. Section 10260 Wall and Corner Guards.

### **1.2 REFERENCED STANDARDS**

- A. American National Standards Institute (ANSI).
- B. ASTM International (ASTM):
  - 1. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
  - 2. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
- C. American Wood Council (AWC).
- D. National Electrical Manufacturers Association (NEMA).
- E. Underwriters Laboratory (UL).

### **1.3 DEFINITION**

- A. Parkland DURO-LAM wall panels defined as: OSB or plywood wall panels clad with Class A, solid polymer sheet, and meeting applicable building materials standards; NEMA, UL, ANSI, ASTM, and California Proposition 65 and having minimum physical, performance, and environmental properties specified.
- B. Appearance: Monochrome, textured, flat wall panels.
- C. Fire Test Response Characteristics:
  - 1. Products passes flamespread and smoke developed standards for ASTM E-84 Class C (III) surface burning characteristics.
- D. Composition: Engineered solid polymer alloy engineered wood and mineral composite core panel in a stable, permanent lamination composite assembly.

- 1.4 \*\* NOTE TO SPECIFIER \*\*** Parkland DURO-LAM installations provide a unique variety of features including solid (not painted or coated) scrubbable waterproof surface over rigid, stable engineered wood composite substrate. Product features best-in-class impact and stain resistant characteristics.

### **1.5 SUBMITTALS**

- A. Submit under provisions of Sections Section 06050, 09200, 09770, and 10260.
- B. Product Data: Full suite of documents available for direct-to-stud fastener-attached, 100% glue and drywall mud-free panels, two-piece divider moldings, and available custom color panel cladding, and fasteners, including; Installation Guide, various specialty guides, warranty and general information.



### PART 1 — GENERAL (CONT.)

#### 1.5 SUBMITTALS (continued)

- C. Shop Drawings: DURO-LAM wall panels install with approved pre-engineered mechanical attachment (screws) or rivets, and mud-free moldings directly onto properly prepared interior bare studs and subwalls. Show location of each item, dimensioned plans, details, attachment locations, notch and cutout locations, and any other components required prior to commencement of work.
  - 1. Show locations and sizes of cutouts, electrical switch and outlet openings, holes, and fixture information for wall panels.
  - 2. Show location of notches, mechanical penetrations, finished corners, and special areas.
- D. Samples: For each type of product specified, 3.5 inch x 5 inch square sample of DURO-LAM material in specified texture and color.
  - 1. Cut sample and seam together for representation of manufacturer's seaming system.
    - i. Seam with accessory molding
  - 2. Indicate full range of color and pattern variation.
  - 3. Approved samples may be retained by manufacturer as a standard for work.
- E. Engineering Calculations: General contractor or project architect shall submit any required engineering calculations as per local and state building codes, showing the installed panels and attachment systems meet all applicable project requirements and building codes.
- F. LEED Submittals:
  - 1. MR Credit 5.1 and 5.2 Regional Materials:
    - a. Product origin: Middlebury, Indiana, USA
  - 2. IEQ Credit 4.1 Low Emitting Materials: Adhesives and Sealants
    - a. Parkland DURO-LAM components are not known to contain any VOC materials and have no intentionally added VOC content.
- G. Maintenance Data:
  - 1. See section 1.9, and Use and Care Guide for more information.

#### 1.6 QUALITY ASSURANCE QUALIFICATIONS

- A. Parkland DURO-LAM commercial grade heavy-duty wall panels comprised of 100% solid polymer alloy cladding permanently bonded over engineered wood substrate maintaining specified ANSI/NEMA/ASTM performance standards and having specified physical, performance, and environmental specifications.
- B. Environment: Parkland Plastics DURO-LAM may be used in buildings that are non-climate-controlled.
- C. Installer Qualifications: Work of this section shall be by an experienced, qualified installer.
- D. Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, seam locations, and other components prior to commencement of work.

#### 1.7 DELIVERY, STORAGE AND HANDLING

- A. Do not deliver components to project site until areas are ready for installation.
- B. Store DURO-LAM materials at the temperature and environmental conditions that the area will be during use for a minimum 48 hours prior to installation.
- C. Installer to handle materials to prevent damage to finished surfaces, and panel edges, and contamination of panel rear face.

### PART 1 — GENERAL (CONT.)

#### 1.8 WARRANTY

- A. Provide manufacturer's warranty against defects in materials.
1. Warranty shall provide material to repair or replace defective materials returned to manufacturer as specified in manufacturer's warranty.
  2. Warranty shall not cover damage caused by physical or chemical abuse, misuse, incompatibility of materials, improper installation, or inappropriate installation environment, or damage from insufficient anchoring into structure, adverse conditions at time of construction or thereafter, or aesthetic concerns over undressed or uncovered edges.
  3. Warranty shall be non-transferable to subsequent owners.
  4. Manufacturer's Warranty Period: 1 year.
  5. Wall panels to be warranted by manufacturer.

#### 1.9 MAINTENANCE

- A. Removal of stains with common janitorial bleach-free cleaners. Occasional cleaning with a mild janitorial surface cleaner (e.g. Windex®, Fabuloso®) will remove occasional dust or dirt, and maintain the beauty of exposed components.
1. Routine and regular cleaning with mild soapy water solution.
  2. With routine cleaning dirt and stains will not build up, see Use and Care Guide for more information.
- B. Acceptable Cleaning Materials:
- |                                    |   |
|------------------------------------|---|
| ■ Soapy Water                      | ■ Kaboom® with OXI CLEAN® Stain Fighter   |
| ■ Formula 409® All Purpose Cleaner | ■ Windex® Multi-Surface Cleaner   |
| ■ Fantastik® Multi-Purpose Cleaner | ■ DURO-LAM surfaces may be sanitized with Clorox® Anywhere Hard Surface™ Daily Sanitizing Spray |
| ■ Cascade® 5% detergent solution   |   |
- C. See appropriate product Use and Care Guide for more information.

### PART 2 — PRODUCTS

#### 2.0 MANUFACTURER

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

#### 2.1 PRODUCT DESCRIPTION

- A. Description:
1. Parkland DURO-LAM wall panels defined as: OSB or plywood wall panels clad with Class A, solid polymer sheet, and meeting applicable building materials standards; NEMA, UL, ANSI, ASTM, and California Proposition 65 and having minimum physical, performance, and environmental properties specified.



### PART 2 — PRODUCTS (CONT.)

#### 2.1 PRODUCT DESCRIPTION (continued)

B. Typical In-Stock Sheet Thickness, Size, Color, and Textures (Call for custom product).

1. DURO-LAM Panels [1]

Thickness	Product	Texture	Available Colors	Fire Rating**	Panel Size	Installation	Available Accessories
15/32"	DURO-LAM	Matte, Smooth, Cracked-Ice	White	Class-C	4' x 8'	Mechanically Fastened to Studs or Wall	1 and 2-piece Monochrome Moldings
5/16"	DURO-LAM Lite	Various	Various		4' x 10'		
7/16"	DURO-LAM Lite-FR	Various	Various	Class-A			

[1] VOCs below detectable limits – none detectable VOC materials able to be found.

\*\* Per ASTM E-84 Steiner Tunnel testing for flame spread and smoke developed.

#### 2.2 PERFORMANCE CHARACTERISTICS

A. Institutional Affiliations and Approvals:

1. National Association of Home Builders (NAHB) Complete testing results available.
2. International Building Code (IBC), passes code 2603.10.
3. Member US Green Building Council (USGBC)

#### 2.3 MATERIAL QUALIFICATIONS

- A. Clad surface does not support the growth of mold or mildew.
- B. All products 100% fiberglass-free.
- C. All panel faces 100% waterproof.

#### 2.4 ACCESSORIES, ADHESIVES, AND SEALANT

- A. Panel-to-panel moldings, corner moldings, and end cap moldings.
- B. Panel adhesives [All 100% VOC-free]:
  1. Seal-Bond 105 tube adhesive (10 oz. tube).
  2. Use a good quality tube type construction adhesive.
  3. Panels can also be attached with mechanical fasteners.

### PART 3 — EXECUTION [INSTALLATION PROCESS]

#### 3.0 EXAMINATION

- A. Examine wall area site conditions for compliance with requirements for installation tolerances, and other conditions affecting performance of work.
- B. Do not proceed with installation until substrates have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Commencement of installation constitutes acceptance of conditions.
- C. Prepare work area using the methods recommended by the manufacturer for achieving the best result for occupied use conditions.
- D. If site preparation is the responsibility of another installer, notify Architect in writing of any deviations from manufacturer's recommended installation and use conditions.

### PART 3 — EXECUTION [INSTALLATION PROCESS] (CONT.)

#### 3.1 INSTALLATION: Installer shall:

- A. Install components plumb, level and rigid, scribed to adjacent finishes, fitting panels and moldings per manufacturer specifications at all surfaces and walls, fixtures and openings in accordance with approved specifications and product data.
  - 1. Form field joints using manufacturer's recommended accessories, and seal joints with manufacturer-approved sealant if specified.
  - 2. Cut and finish component edges to a smooth appearance and feel with ordinary tools and fine sandpaper.
  - 3. Carefully dress joints smooth, remove surface residue and clean entire surface.

#### 3.2 REPAIR

- A. Repair dinged or damaged panels with utility knife, plastic file, or fine sandpaper. Replace panels that cannot be repaired to Architect's satisfaction.

#### 3.3 CLEANING AND PROTECTION

- A. Keep components clean during installation, or clean and cover with protective covering.
- B. Remove excess adhesives, sealants and other stains.
- C. Where specified, protect surfaces from damage during construction.

#### 3.4 MATERIAL SCHEDULE

- A. Wall panels:
  - 1. Product: \_\_\_\_\_  
Parkland DURO-LAM™, DURO-LAM Lite, DURO-LAM Lite-FR
  - 2. Panel Texture: \_\_\_\_\_  
(DURO-LAM Cracked-Ice, Matte, Smooth, DURO-LAM Lite, DURO-LAM Lite-FR various textures available)
  - 3. Panel Color: \_\_\_\_\_  
(Bright White, Almond, other custom colors available)
  - 4. Panel Thickness: \_\_\_\_\_  
(5/16", 7/16" (FR), 15/32")

### ARCHITECT'S SPECIFICATION:

#### DURO-LAM™

Walls shall be covered with polymer alloy clad (DURO-LAM/DURO-LAM Lite) oriented wood or plywood panels of 15/32" [.500"] nominal thickness or DURO-LAM Lite-FR on 5.2mm lauan. All wall panel materials to be 100% fiberglass-free, with no known VOC content. All panel joints shall use manufacturer's specified accessory components and be adhesive and drywall mud-free with two-piece moldings dressing and concealing panel edges at all seams, corners, and edges. Any sealant shall be approved by the panel manufacturer.

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

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