



## PART 1 — GENERAL

### 1.0 SUMMARY

- A. Interior waterproof, washable, solid reclaimed polymer wall panels:
  - 1. Commercial wall panel material (Available 4' x 8', 10').
  - 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™ NRP® DÉCOR 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 06820 Glass Fiber Reinforced Plastics.
- C. Section 09770 Special Wall Surfaces and Plastics
- D. Section 10260 Wall and Corner Guards.

### 1.2 REFERENCED STANDARDS

- A. ASTM International (ASTM):
  - 1. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
- B. American Wood Council (AWC).
- C. National Electrical Manufacturers Association (NEMA).
- D. National Sanitation Foundation (NSF).
- E. International Code Council Evaluation Service (ICC-ES).

### 1.3 DEFINITION

- A. Parkland NRP DÉCOR wall panels defined as: Non-porous, solid waterproof reclaimed polymer alloy wall panels, featuring integral reinforcement, pigments, and high performance polymer modifiers, and meeting applicable building materials standards; NEMA, ANSI, ASTM, and California Proposition 65 and having minimum physical, performance, and environmental properties specified.
- B. Appearance: Monochrome colored, textured, and decorative-clad flat panels.
- C. Composition: Solid reclaimed polymer alloy with integral polymer or mineral reinforcement, and specialty additives and performance enhancers clad with decorative facing.

- 1.4 \*\* NOTE TO SPECIFIER \*\* Parkland™ NRP® DÉCOR installations provide a unique variety of features including waterproof (do not move with changes in moisture or humidity) composition, decorative laminated panel face, and machine-able and fabricateable stable architectural panel.

### 1.5 SUBMITTALS

- A. Submit under provisions of Sections Section 06050, 06820, 09770, and 10260.
- B. Product Data: Full suite of documents available for glue-up panels, mechanical attachment architectural wall panel system, and a wide variety of decorative and protective panel faces, fasteners, and coordinated moldings including; Installation Guide, Layout Guide, various specialty guides, warranty and general information.



## PART 1 — GENERAL (CONT.)

### 1.5 SUBMITTALS (continued)

- C. Shop Drawings: NRP® DÉCOR wall panels install with specialty architectural wall (Gecko Wall Systems™\*) onto properly prepared interior 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, holes, and fixture information for wall panels.
  2. Show location of notches, mechanical penetrations, and special areas.
- D. Samples: For each type of product specified, 3.5 inch x 5 inch square sample of NRP DÉCOR material in specified texture and color.
1. Samples may also be prepared with Gecko Wall System attachment representative of specified installation. Reveal size and trim type and any edging or other exposed components to be representative of that specified by Project Architect.
    - i. Reveal with one panel on each side
    - ii. Panel with panel bottom, panel top, or panel side trim per spec.
    - iii. Panel facing and core color per spec
    - iv. Panel thickness and edge profile per spec.
  2. Indicate full range of color and pattern variation.
  3. Approved samples will 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 4.1 and 4.2 Recycled Materials:
    - a. NRP DÉCOR panel cores contain minimum 80% post consumer and/or post industrial waste by weight.
    - b. Panel weights for .1/4" (6MM), 5/16" (8MM), and 3/8" (10mm) are 1.2 Lbs./ SF, 1.5 Lbs./ SF, and 1.8 lbs./ SF respectively.
  2. MR Credit 5.1 and 5.2 Regional Materials:
    - a. Product origin: Middlebury, Indiana, USA
  3. IEQ Credit 4.1 Low Emitting Materials: Adhesives and Sealants:
    - a. Parkland NRP DÉCOR components are not known to contain any VOC materials and have no intentionally added or detectible VOC or corrosive content.
- G. Maintenance Data:
1. See section 1.9, and Use and Care Guide for more information.

### 1.6 QUALITY ASSURANCE QUALIFICATIONS

- A. Parkland NRP DÉCOR wall panels are non-porous, solid waterproof reclaimed polymer alloy wall panels, featuring integral reinforcement, pigments, and high performance polymer modifiers, and meeting applicable building materials standards; NEMA, ANSI, ASTM, and California Proposition 65 and having minimum physical, performance, and environmental properties specified.
- B. NRP DÉCOR is available in a selection of standard finishes, thicknesses, and core colors, and custom panel configurations may be available for your project (minimum order quantity applies) from Parkland Plastics.
- C. Environment: Parkland Plastics materials shall be used in building interiors that are climate-controlled, with a typical ambient temperature between 55 and 80 degrees Fahrenheit (16 to 27 degrees C) and stable relative humidity at moderate indoor levels of 25%- 55% RH.
- D. Installer Qualifications: Work of this section shall be by an experienced, qualified installer.
- E. Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, seam locations, and other components prior to commencement of work.

\*Gecko Wall Systems are a product of Allied Technical Services - sdpitech.com



### PART 1 — GENERAL (CONT.)

#### 1.7 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.
2. Wall panels to be warranted by manufacturer.

#### 1.8 DELIVERY, STORAGE AND HANDLING

- A. Do not deliver components to project site until areas are ready for installation.
- B. Store NPR® DÉCOR materials indoors at the temperature that the room will be during occupancy for at least 48 hours prior to installation. Verify the installation area has temperature and moisture levels suitable for indoor installation and use.
- C. Installer to handle materials to prevent damage to finished surfaces, place protective coverings over installation to prevent physical damage or staining, and for duration of project. It is recommended to keep panels covered and stack them face-to-face and back-to-back.

#### 1.9 MAINTENANCE

- A. Removal of stains with common janitorial bleach-free cleaners. Occasional cleaning with a mild janitorial surface cleaner (e.g. Windex®, Fantastik®) 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.
  3. NPR DÉCOR family products may be pressure-washed with mild detergent with excellent results. **Use a fan spray pattern with pressure under 800 PSI and keep nozzle at least 24" from surface.** Test pressure settings and distance from the nozzle to the surface for good results prior to commencement of work as excess pressures can damage surface finish.
- 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 | ■ NPR DÉCOR surfaces may be sanitized with Clorox® Anywhere® |
| ■ Cascade® 5% detergent solution   | Hard Surface™ Daily Sanitizing Spray                         |
- 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 NPR DÉCOR wall panels described as non-porous, solid waterproof reclaimed polymer alloy wall panels maintaining the same composition throughout the part, featuring integral reinforcement, pigments, and high performance polymer modifiers, and meeting applicable building materials standards; NEMA, ANSI, ASTM, NFPA, 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. NRP® DÉCOR Panels

Thickness	Colors	Texture	Panel Size
1/4",	White [2], Almond [2],	Matte	4' x 8', 4' x 10'
5/16",	White, Brilliant White, Antique White, Monterey, Khaki, Niagara Mist, various patterns and woodgrains	NuMatte	
3/8" [1]			

[1] Other thicknesses available on special order. [2] PVC-free material.

**2.2 PERFORMANCE CHARACTERISTICS**

A. Product Performance Table

ASTM D-4060	Taber Abrasion (wear resistance)	.060 wear index (varies by surface)
ASTM D-732	Shear Strength	2970 psi
ASTM D-696	Coefficient / Therm. Expansion	3.84 X 10 <sup>5</sup> in/in/°F
ASTM D-790	Flexural Modulus (psi)	90,460 +/- 2840 psi
ASTM D-3029	Gardner Impact 23°C	22.60 in. lb.
ASTM D-570	Water Absorption	0.055%
ASTM D-790	Flexural Modulus (psi)	78,240 +/- 3,940 psi
ASTM D-2240	Hardness	51 Shore D, Varies by surface
ASTM D-792	Specific Gravity (gm./ cm <sup>3</sup> )	1.15
ASTM D-649	Heat Distortion Temperature	51.30°C
ASTM D-256	Un-notched Izod Impact	7.02 +/- 0.21 ft lb/in
ASTM D-695	Compressive Strength	5293 psi
ASTM D-638	Elongation @ Ultimate (psi)	5293 psi
ASTM D-638	638 Tensile Strength @ ultimate (psi)	410 +/- 10%
ASTM D-882	882 Elongation @ Break (%)	1190 +/- 60 psi
ASTM D-882	882 Tensile Strength @ Break	(%) 2062 +/- 179 psi



## PART 2 — PRODUCTS (CONT.)

### 2.2 PERFORMANCE CHARACTERISTICS (continued)

#### B. 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)
4. National Sanitation Foundation (NSF).

### 2.3 MATERIAL QUALIFICATIONS

- A. NRP® DÉCOR 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.
- E. All products low VOC or VOC-free.

### 2.4 ACCESSORIES, ADHESIVES, AND SEALANT

- A. Architectural panel system use recommended with Gecko Wall Systems™ Gecko DL\*.
- B. Panel adhesives [All 100% VOC-free]
- B. Gecko Wall Systems™\* Phenolic Primer #GPP-101 provides excellent results for bonding to the panel rear face.

## PART 3 — EXECUTION [INSTALLATION PROCESS]

### 3.0 EXAMINATION

- A. Examine wall areas and site conditions for compliance with requirements for installation tolerances, and other conditions affecting performance of work.
- B. Do not proceed with installation until wall surfaces have been properly prepared and any 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.

### 3.1 INSTALLATION: Installer shall:

- A. Install components plumb, level and rigid, scribed to adjacent finishes, leaving minimum 1/16" gaps 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 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.

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

#### 3.4 MATERIAL SCHEDULE

A. Wall panels:

2. Product: \_\_\_\_\_  
(NRP® DÉCOR)

#### ARCHITECT'S SPECIFICATION:

##### **NRP® DÉCOR**

Walls shall be covered with 100% waterproof mineral-reinforced densified polymer alloy panels of specified nominal thickness. Panels shall feature protective surface texture as specified. Panel material shall be composed of no less than 80% recycled content by weight. All wall panel core materials to be 100% fiberglass-free, VOC-free, and PVC-free content.

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

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