



### PRODUCT OVERVIEW:

Parkland™ Class-A Non-Fiberglass Reinforced Plastic (NRP-FR) is a wall panel designed specifically for areas requiring moisture resistance, sanitization, and toughness in a Class-A fire-rated material. NRP-FR has no detectable VOC's. It is a cost-effective and more sustainable alternative to fire-rated FRP. It is recyclable, waterproof, economical and virtually maintenance free.

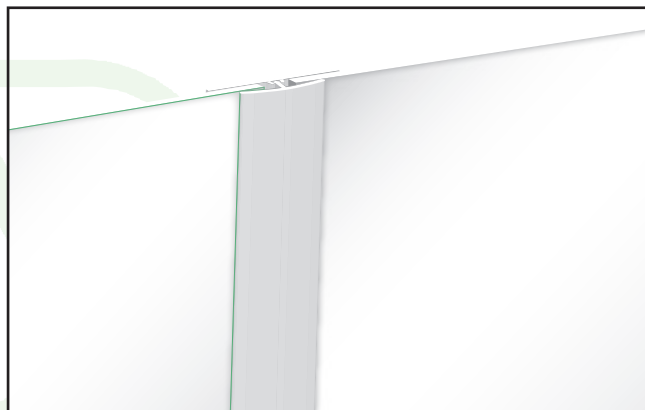
### APPLICATIONS & USES:

**Parkland NRP-FR** panels glue directly to walls and are ideal for wall protection in moisture-exposed areas in hospitals, fire egress corridors, restaurants, retail, convenience stores, and health care facilities.

### NRP FEATURES:

- 100% Fiberglass-free, and no detectable VOC's.
- 100% solid polymer material resists staining, abrasion, and has superior impact strength.
- 100% Waterproof construction does not support the growth of mold or mildew.

**NRP-FR & LEED:** NRP-FR sheets are treated to accept water-based adhesives. NRP-FR sheet products may qualify for LEED points under MR 5.1, 5.2, & IEQ section 4.1.



## Product Availability

NRP-FR is stocked in white with Cracked-Ice and Matte finishes. Almond is available by Special Order. For all other colors please contact Parkland for minimum order quantities.

### NRP-FR Panels .090" (1/8") / .060 (1/16")

Finish	White	Almond	Tan	Grey	Black	Décor	Available Moldings (Full line)	Fire Rating	Available Panel Size	Packaging & Weight
Cracked-Ice	■	■	□	□	□	□	■ White ■ Almond	Class-I	4' x 8' 4' x 10'	4' x 8' 32 sq. ft. / 20# per pc.
Matte*	■	■	□	□	□	□	□ Tan □ Grey □ Black			4' x 10' 40 sq. ft. / 25# per pc.

■ Stocked □ Special Order

\*Matte finish is fine pattern on Décor-Series products

### PHYSICAL PROPERTIES:

ASTM E-84	Flame Spread	≤25
ASTM E-84	Smoke Developed Index	≤450
ASTM D-1308	Stain Resistance	No Effect*
ASTM D-790	Modulus of Rupture (psi)	4,810 psi
ASTM D-256-06a	Notched IZOD Impact	0.64 ft-Lb/ in. at 73F
ASTM D-570	Water Absorption	0.33%
ASTM D-790	Modulus of Elasticity (psi)	202,333
ASTM D-2240	Hardness	57 Shore D
Weight	English	0.344 Lbs/ SF
ASTM D-3273	Mold/Mildew Growth	No Growth
ASTM G-21	Fungus Growth	No Growth
ASTM D-4060	Abrasion Resistance Wear Index**	105
ASTM D-635	Burn Rate	0 sec, 0mmF
ASTM D-792	Density	0.881 gm/ cc
EPA-826-	VOC Content	None Detected
ASTM D-696	Coefficient of Linear Thermal Expansion	3.55 x 10 <sup>-5</sup> in/in/ deg. F

\*When cleaned with Parkland recommended cleaning agents.

\*\*Textured Surface

### Panel Specifications

- Parkland™ NRP-FR** Panels defined as nonporous sheet maintaining densified polymer composition throughout the part with a composition of waterproof polymer alloy, high-performance polymer materials, mineral reinforcement, pigment and high-performance additives, meeting applicable building materials standards: NEMA, UL, ANSI, ASTM, having minimum physical, performance, and environmental properties specified.
- Panel backside may possess slight imperfections that do not adversely affect performance or physical properties and are not cause for rejection
- Panel quality standards are:  
**Panel thickness:** .090" +/- 10% **Width:** 48" +/- 1/8"  
**Length:** specified length +/- 1/8"  
**Square:** not to exceed 1/8" for 8' panels or 5/32" for 10' panels.
- All products shall be used and installed in strict accordance with Parkland Installation guidelines and Instructions.

### Approvals & Certifications:

- Class-I/A Fire Ratings per ASTM E-84 flame spread and smoke development tests.
- Meets USDA
- Compliant with California Proposition 65.
- Mold & Mildew Resistant per ASTM D3273-94 and D3274-95 tests.

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

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Statements expressed in this technical bulletin represent our best judgment based on our experience and are recommended for the installation of Parkland™ products under normal conditions. Unless prior approval is obtained in writing from Parkland™, any deviation from these recommended procedures shall be at the sole risk of the installer. Carefully inspect all parts. If a part is defective, notify Parkland™ at once. Failure to do so shall be at the sole risk of the installer.

### INSTALLATION OVERVIEW:

**Storage & Preparation** – Carefully inspect all panels prior to installation. Notify Parkland at once for any unacceptable materials. Parkland NRP-FR Panels should be stored indoors on a flat, clean, dry surface for at least 24 hours prior to installation at the temperature the room will be after construction. Parkland NRP-FR is intended to be installed using Parkland adhesives over finished sealed walls. Contact Parkland prior to installing over other substrates.

**Adhesives** – Use Parkland™ Panel Adhesive [trowel grade], or Spray-Lock™ aerosol; both are VOC-free and available from Parkland. These adhesives provide superior performance every time with no odor or harmful chemicals.

**Tools Required** – Utility knife, power saw (ATB, carbide tip), saber saw (metal cutting blade), caulking gun, tape measure, drill.

**See Parkland NRP Installation Guide for complete details.**

### Accessories

- PVC Trim Moldings in matching colors, 8' & 10' lengths, including: Standard Divider, Inside & Outside Corner, Cap Molding, and 2-piece Divider.
- Eco-Tuff™ 1/4"-3/4" thick solid polymer protective base and architectural moldings.
- Parkland Panel Adhesive or Spray-Lock™ spray Adhesive, both VOC-free.
- Parkland EcoTUFF Advanced Silicone Sealant in matching colors.

### GENERAL:

**Serviceable Temperature Range** – Parkland NRP-FR Panels shall maintain its performance characteristics and physical properties in temperatures ranging from -40°F to 130°F. Parkland NRP-FR may discolor near heat sources – such as ovens, fryers, and heat lamps – where temperatures exceed 130°F, or with chemical exposure.

**Parkland NRP-FR Advantage** – Parkland NRP-FR Panels are the only recyclable, fiberglass-free sanitary protective wall covering to meet the ASTM E-84 Class-A rating.

**Cleaning Guidelines** – With regular cleaning, soil and dirt will not build up. Soapy water is effective, see **Use & Care Guide** for more information.

### For Additional Information, see:

- Parkland NRP Panels Color Brochure
- Parkland NRP-FR CSI Specifications
- Parkland NRP Installation Guide
- Parkland NRP & FRP Use & Care Guide

