

PRODUCT:
Overview:

Parkland™ high-performance Non-Fiberglass Reinforced Plastic (NRP) replaces and exceeds traditional FRP (Fiberglass Reinforced Plastic) panel specification, performance and environmental properties.

Handling:

Parkland NRP panels feature easy handling and fabrication and cuts smoothly without dust. NRP is lightweight, handles without need for gloves, contains no dangerous fibers, and cuts with ordinary field tools incl. Jigsaw, circular saw, and smooths with a file and sandpaper.

Cleaning and Chemical Resistance:

NRP performance exceeds typical FRP for cleanability, waterproofness (per ASTM water absorption testing), impact resistance, and chemical resistance. NRP is safe to clean with most chemicals which would damage ordinary panels.

Specification:

NRP's 100% solid non-porous construction provides a tough VOC-free^[1], cost-effective solution for glue-up wall protection meeting ASTM Class-C (III)**, G21 mold and mildew, and California Proposition 65 requirements.

NRP® features 100% solid polymer construction. All tiles are 100% water-proof, are guaranteed for a full year, and will not support the growth of mold, mildew, or bacteria.

APPLICATIONS & USES:

Parkland NRP is ideal for use in utility and service areas, wash-out rooms and wet areas, and for general wall protection in clean rooms, high-moisture areas, and other areas exposed to high traffic and abuse.

PARKLAND NRP® & LEED: NRP products can qualify for LEED points under MR 4.1, 4.2, 5.1, 5.2, & IEQ section 4.1.

NRP SERIES PRODUCTS:

- Std. Series 100% solid VOC-free and fiberglass-free polymer construction, waterproof, low-maintenance product.
- NRP Products do not support the growth of mold, mildew or bacteria, and PASS G-21.
- Panels are 100% fiberglass and VOC-free.
- Best-in-class chemical & impact resistance.

Warranty

- All NRP products carry a one year exclusive warranty.

Other NRP Products

- NRP- DÉCOR for decorative applications.
- NRP-ULTRA for decorative Class-A (I)** applications.
- NRP-FR for Class-A (I)** wall protection.

Product Availability

Thickness	Texture	Available Colors	Panel Size	Fire Rating	Installation	Available Accessories
0.060"	Matte	Bright White*** Almond	4' x 8'	Class-C** (III)	Glue Up Over Drywall	Monochrome Moldings
0.090"	NuMatte	Bright White*** White Almond	4' x 10'			
	Matte					
	Cracked-Ice					

*[1] VOCs below detectable limits – no detectable VOC materials able to be found. **Class-C (III) based on Steiner tunnel testing per ASTM test standard E-84. ***Other colors available by special order.

PHYSICAL PROPERTIES:

ASTM E84 [1, 4, 5]	Flame Spread	<200 Class C, <25 Class-A
ASTM E84 [1, 5]	Smoke Developed Index	<450 Class-A and Class-C
ASTM D4060	Taber Abrasion (wear resistance)	.060 wear index (varies by surface)
ASTM D732 [1]	Shear Strength	2970 psi
ASTM D696 [1]	Coefficient / Therm. Expansion	3.84 X 10 ⁵ in/in/°F
ASTM D790 [1]	Flexural Modulus (psi)	90,460 +/- 2840 psi
ASTM D3029 [1]	Gardner Impact 23°C	22.60 in. lb.
ASTM D570 [1]	Water Absorption	0.055%
ASTM D790 [1]	Flexural Modulus (psi)	78,240 +/- 3,940 psi
ASTM D2240 [1]	Hardness	51 Shore D
ASTM D792 [1]	Specific Gravity	1,15
ASTM D649 [1]	Heat Distortion Temperature	51.30°C
ASTM D256 [2]	Un-notched Izod Impact	7.02 +/- 0.21 ft lb/in
ASTM D695 [2]	Compressive Strength	5293 psi
ASTM D638 [2]	Elongation @ Ultimate (psi)	5293 psi
ASTM D638 [1]	638 [2] Tensile Strength @ ultimate (psi)	410 +/- 10%
ASTM D882 [1]	882 [3] Elongation @ Break (%)	1190 +/- 60 psi
ASTM D882 [1]	882 [3] Tensile Strength @ Break	(%) 2062 +/- 179 psi

1-NRP 0.090" sheet thickness, 2- NRP 0.100" sheet thickness, 3- NRP 0.060" sheet thickness, 4- NRP-FR .090". NEMA results based on the NEMA LD 3-2000. 5-Per ASTM E-84 Steiner Tunnel test.

NRP® Specifications

1. **Parkland NRP Wall Panels defined as:** Non-porous, solid waterproof 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, UL, ANSI, ASTM, NFPA, and California Proposition 65 and having minimum physical, performance, and environmental properties specified.

2. Panel Finish:

NRP is available in a variety of textures and colors. Panel backside and edges may possess slight imperfections that do not adversely affect performance or physical properties and are not cause for rejection.

3. Panel Dimensions:

Thickness:

- NRP POLYWALL: 0.060" thick 1/16" nominal.
- Standard NRP Panels: 0.090" thick 1/8" nominal.

Width: 47 7/8" +/- 1/8" **Length:** 97 3/4", 119 3/4" +/- 1/4"

For more information call: 800.835.4110 • or Visit: 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.

Approvals & Certifications, NRP:

- Compliant with California Proposition 65.
- Class III per ASTM E-84 flammability and smoke development tests.
- Mold & Mildew Resistant per ASTM D3273-94 and D3274-95 tests, and passes standard G21.

****NOTE TO SPECIFIER**** Parkland™ NRP® installations provide a unique combination of features including waterproof VOC-free composition, extreme chemical and impact resistance, and best-in-class cleanability.

GENERAL:

Storage & Preparation – Carefully inspect all panels prior to installation. Notify Parkland at once for any unacceptable materials. NRP panels should be stored indoors on a flat, clean, dry surface for at least 48 hours prior to installation.

Serviceable Temperature Range – Parkland NRP Panels shall maintain performance characteristics and physical properties in temperatures ranging from 40°F to 140°F. PLAS-TEX may discolor near heat sources.

Parkland NRP Advantage – NRP significantly outperforms ordinary wall panels. Our one year non-prorated warranty proves it.

Cleaning Guidelines – When a regular cleaning schedule is executed, soil and dirt will not build up. Use a mild, non-abrasive cleaner such as soapy water or ammonia-based cleaners.

Accessories: Color-matched monochrome poly moldings and Parkland SPECTRATILE® ceilings make the perfect complement to NRP panels.

For Additional Information, see:

- Parkland PLAS-TEX® Residential Sell Sheet
- Parkland NRP/NRP-FR/ULTRA/POLYWALL CSI Specifications
- Parkland NRP-FRP Panels Installation Guide
- Parkland NRP-PLAS-TEX Use & Care Guide
- Parkland NRP/NRP-FR/ULTRA/DÉCOR/POLYWALL Warranty

