



PRODUCT:

Overview:

Parkland™ PLAS-TEX® high-performance reclaimed architectural polymer replaces and exceeds traditional wood composite panel (MDF, laminate panels) specifications, performance and environmental properties.

Handling:

Parkland PLAS-TEX panels feature easy handling and fabrication and cut smoothly without dust. PLAS-TEX is fiberglass-free and handles without need for gloves, contains no dangerous fibers or chemicals, and cuts with ordinary field tools incl. Jigsaw, circular saw, and may be smoothed with a file and sandpaper.

Cleaning and Chemical Resistance:

PLAS-TEX performance exceeds glass and wood fiber panel performance for cleanability, waterproofness (absorption), impact resistance, and chemical resistance. PLAS-TEX is safe to clean with most strong chemicals including bleach.

Specification:

The PLAS-TEX tough 100% solid non-porous construction provides a tough VOC-free [1], cost-effective solution for architectural panels meeting G21 mold and mildew, and California Proposition 65 requirements.

Custom Panels Are Available from Parkland

APPLICATIONS & USES:

PLAS-TEX is ideal for high-performance environmental panel cores in feature walls, furniture, and other primary spaces, and as a stand-alone cost-effective wall panel solution for service areas and wash-out rooms. Use PLAS-TEX anywhere exposed to high-moisture, impacts, wet areas, and other areas exposed to high traffic and abuse

PARKLAND PLAS-TEX® & LEED: Products can qualify for LEED points under MR 5.1, 5.2, & IEQ section 4.1.

PLAS-TEX FEATURES:

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

Warranty

- All PLAS-TEX products carry a one year exclusive non-prorated warranty.

Product Availability

Thickness*	Texture	Available Colors*	Panel Size**	Installation	Available Accessories
1/4" 3/8" 1/2" 5/8"	Matte	White Black	4' x 8' 4' x 10'	Mechanically Fastened Over Drywall or Studs	Monochrome Moldings

*1/4" in stock, other thicknesses and colors available special order MOQ.

**1/4"- 4' x 8', 10' • 3/8"- 4' x 8', 10' • 1/2"- 4' x 8', 10' • 5/8"- 4' x 8'.

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

PHYSICAL PROPERTIES:

ASTM D-4060	Taber Abrasion (wear resistance)	.060 wear index (varies by surface)
ASTM D-732 [1]	Shear Strength	2970 psi
ASTM D-696 [1]	Coefficient / Therm. Expansion	3.84 X 10 ⁻⁵ in/in/°F
ASTM D-790 [1]	Flexural Modulus (psi)	90,460 +/- 2840 psi
ASTM D-3029 [1]	Gardner Impact 23°C	22.60 in. lb.
ASTM D-570 [1]	Water Absorption	0.055%
ASTM D-790 [1]	Flexural Modulus (psi)	78,240 +/- 3,940 psi
ASTM D2240 [1]	Hardness	51 Shore D
ASTM D-792 [1]	Specific Gravity	1,15
ASTM D-649 [1]	Heat Distortion Temperature	51.30°C
ASTM D-256 [2]	Un-notched Izod Impact	7.02 +/- 0.21 ft lb/in
ASTM D-695 [2]	Compressive Strength	5293 psi
ASTM D-638 [2]	Elongation @ Ultimate (psi)	5293 psi
ASTM D-638 [1]	638 [2] Tensile Strength @ ultimate (psi)	410 +/- 10%
ASTM D-882 [1]	882 [3] Elongation @ Break (%)	1190 +/- 60 psi
ASTM D-882 [1]	882 [3] Tensile Strength @ Break	(%) 2062 +/- 179 psi

1-PLAS-TEX 0.090" sheet thickness, 2- PLAS-TEX 0.100" sheet thickness, 3- PLAS-TEX 0.060" sheet thickness, 4- PLAS-TEX-FR .090". NEMA results based on the NEMA LD 3-2000.

PLAS-TEX® Specifications

- 1. Parkland PLAS-TEX** 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 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:**
PLAS-TEX 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.

Panel Dimensions:
Thickness:

- 1/4", 3/8", 1/2", 5/8" thick

Width: 48" +/- 1/8" **Length:** 96", 120" +/- 3/8"

Approvals & Certifications, PLAS-TEX:

- Compliant with California Proposition 65.
- Mold & Mildew Resistant per ASTM D3273-94 and D3274-95 tests, and passes standard G21.

****NOTE TO SPECIFIER **** Parkland™ PLAS-TEX® 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. PLAS-TEX panels should be stored indoors on a flat, clean, dry surface for at least 48 hours prior to installation.

Serviceable Temperature Range – PLAS-TEX panels shall maintain performance characteristics and physical properties in temperatures ranging from 40°F to 120°F. PLAS-TEX may discolor near heat sources.

Parkland PLAS-TEX Advantage – PLAS-TEX significantly outperforms ordinary wall panels.

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 PLAS-TEX panels.

For Additional Information, see:

- Parkland POLYWALL & NRP WALL PANELS Sell Sheet
- Parkland NRP/POLYWALL/NRP-FR CSI Specifications
- Parkland PLAS-TEX NRP & NRP-FR Use & Care Guide
- Parkland NRP/POLYWALL/NRP-FR Warranty

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.

