

# PLAS-TEX<sup>®</sup>

by Parkland Plastics, Inc.

This publication describes the uses, construction and installation methods for PLAS-TEX<sup>®</sup>.

Complete physical property data, cleaning procedures, flame and smoke, and other tests are available on our web site, [www.parklandplastics.com](http://www.parklandplastics.com) as well as specific installation procedures for various types of construction.

Parkland Plastics is the foremost manufacturer of plastic sheet with 100% recycled content in the USA, with a proprietary process developed over 10 years.

We extrude sheet up to 3/4" thick which we fabricate using a high accuracy beam saw and a CNC router to make complex shapes. The thick sheet is also machined into profiles in our

facilities to make base molding, chair rail and other profiles. In addition, we can laminate our sheet onto a variety of substrates, such as gypsum wall board, insulation foam, plywood and fluted plastics.

Many of our products are designed with the specific needs of our customers in mind, such as the base and chair rail moldings that we make to protect walls from damage by shopping carts, cleaning equipment and even fork lifts. Our products are designed for easy installation, low maintenance and moisture resistance. This minimizes downtime, construction costs and ongoing maintenance expense.

## What is PLAS-TEX?

PLAS-TEX is a mineral reinforced Polyethylene sheet made with 100% recycled plastic

## Product Uses

1. Wall coverings for kitchens, food processing plants, restrooms, convenience stores and other areas where sanitation and ease of cleaning are important considerations.
2. Factories where chemical resistance is an important consideration.
3. Wainscoting and wall panels in areas subject to abuse from pedestrian traffic, carts or fork lifts.
4. Wet or moist environments.

## Features and Benefits

### 100% Waterproof

- No water damage with frequent wash-down
- No swelling, no rotting
- Will not harbor bacteria

### Exclusive Hygienic Properties

- Clinically proven to resist bacterial growth
- Will not harbor E.coli, black mold or staph

### Chemically Resistant

- Use cleaners of all types without damage
- No yellowing or color change with corrosive environments
- Acid resistant
- Reduce maintenance costs

### Light Weight

- Easy to install
- Reduce roof load when used as ceiling

### Made From Recycled Plastic

- Buy recycled without cost penalty and get superior product.

### Available Colors and Textures:

- Bright white and Almond
- Matte, NRP and Silk finishes

## Physical Properties

0.09 PLAS-TEX	ASTM E-84	Flame Spread	105
0.09 PLAS-TEX	ASTM E-84	Smoke Developed Index	435
0.09 PLAS-TEX	ASTM D-732	Shear Strength	2970 psi
0.09 PLAS-TEX	ASTM D-696	Coefficient of Linear Thermal Expansion	3.84 X 10-5in/in/°F
0.09 PLAS-TEX	ASTM D-790	Flexural Modulus (psi)	90,460 +/- 2840 psi
0.09 PLAS-TEX	ASTM D-3029	Gardner Impact	231°C 22.60 in.lb -20°C 5.90 in.lb
0.09 PLAS-TEX	ASTM D-570	Water Absorption	0.055%
0.09 PLAS-TEX	ASTM D-790	Flexural Modulus (psi)	78,240 +/- 3,940 psi
0.09 PLAS-TEX	ASTM D2240	Hardness	51 Shore D
0.09 PLAS-TEX	ASTM D-792	Specific Gravity	0.0916
0.09 PLAS-TEX	ASTM D-649	Heat Distortion Temp.	51.30°C
0.10 PLAS-TEX	ASTM D-256	Unnotched Izod Impact	7.02 +/- 0.21 ft lb/in
0.10 PLAS-TEX	ASTM D-695	Compressive Strength	5293 psi
0.10 PLAS-TEX	ASTM D-638	Elongation @ Ultimate (psi)	410 +/- 10%
0.10 PLAS-TEX	ASTM D-638	Tensile Strength @ Ultimate (psi)	1190 +/- 60 psi
0.40 PLAS-TEX	ASTM D-882	Elongation @ Break (%)	555 +/- 1%
0.40 PLAS-TEX	ASTM D-882	Tensile Strength @ Break (%)	2062 +/- 179 psi

For More Information Please Contact us at:

**Parkland Plastics, Inc.**

**[www.parklandplastics.com](http://www.parklandplastics.com)**

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### Custom Products

1. Other colors, gauges and sizes are available on special order.
2. Moldings for joining and finishing are available color matched for our products.
3. Pre-laminated panels on gypsum drywall, fluted plastic or plywood.

### Product Limitations

1. Temperature variation or high ambient temperature when the product is in use. A 4' wide panel will move .018" (.45mm) with each 10°F change in temperature.
2. Class C flame spread and less than 450 smoke (ASTM E-84). This is adequate for most environments.
3. This product is not structural.
4. These products are designed for interior use only.

### Key Variables to Consider in Selecting the Right Product

1. Appearance. The available textures give a variety of looks, from a smooth "painted" look to a heavily textured "industrial" appearance.
2. Expected abuse. Heavier textures hide marring. Thicker sheets resist impact.
3. Temperature range. If the temperature variations will exceed 20°F, select one of our pre-laminated products.
4. Operating temperatures. Our panels are not recommended for environments when the ambient temperature exceeds 110°F.

### Installation Instructions

- PLAS-TEX panels must be stored flat on a smooth, dry surface. Before installation, allow panels to come to room temperature. Install panels at the temperature typical for the area after construction is finished.
- Insure that walls are flat, clean, dry, and solid. Remove or sand through all waterproof wall surfaces. Remove all bumps, loose plaster or paint and dust. Fill all low spots and voids. Concrete and block walls must be dry and may require a leveling coat.
- PLAS-TEX panels are fiberglass and irritant free. They can be scored and snapped similar to drywall and cut with sheet metal shears. If sawing, use a fine toothed blade. Cut-outs such as for switches should be drilled at the corners to distribute stress. Test the panel fit by placing it in position without adhesive. Be careful to leave appropriate gap at panel edges. Do not fit panels too tightly in moldings.
- PLAS-TEX panels should be installed with a quality trowel grade non-flammable or latex adhesive listed in the chart below. Adhesive coverage is about 1/2 gallon per 4x8 panel. Wall finishes that are waterproof must be removed to insure adequate curing. Follow adhesive manufacturer's directions. To insure adequate open time, spread the adhesive on the panel, not the wall. Leave only ridges of adhesive.

### Sizes and Types Available

SIZE — in/mm	TEXTURE	COLORS
.060x48x96 (1.5x1200x2400)	Matte NRP	Bright White, Almond Bright White
.060x48x120 (1.5x1200x3000)	Matte	Bright White
.090x48x96 (2.25x1200x2400)	NRP Silk	Bright White, Almond Bright White
.090x48x120 (2.25x1200x3000)	NRP Silk	Bright White, Almond Bright White
.090x48x144 (2.25x1200x3600)	NRP	Bright White
.250x48x96 (6.25x1200x2400)	Matte	Bright White
.250x48x120 (6.25x1200x3000)	Matte	Bright White
.375x48x96 (9.4x1200x2400)	Matte	Bright White
.375x48x120 (9.4x1200x3000)	Matte	Bright White
.375x48x144 (9.4x1200x3600)	Matte	Bright White Black
.500x48x96 (12.5x1200x2400)	Matte NRP	Bright White Dark Gray
.500x48x120 (12.5x1200x3000)	Matte	Bright White
.625x48x96 (15.7x1200x2400)	Matte NRP	Bright White Dark Gray, Medium Gray, Black
.625x48x120 (15.7x1200x3000)	Matte	Bright White

Parkland Panel Adhesive is the **ONLY recommended adhesive**, however the other adhesives listed may give satisfactory results.

ADHESIVES			NOT RECOMMENDED/NOT COMPATIBLE
NON-FLAMMABLE ADHESIVES	TELEPHONE NUMBER	RATING (0-4)	ALL SOLVENT BASED AND ALL TUBE STYLE ADHESIVES
<b>Parkland Panel Adhesive</b>	(800) 835-4110	4	Foster #97-37 by H.B. Fuller
Henry # 444 FRP Panel Adhesive	(800) 232-4832	4	
Liquid Nails FRP #310 Latex FRP Adhesive	(800) 634-0015	3.5	
Franklin Titebond Fast Grab FRP	(800) 877-4583	2	

### Codes

USDA compliant - incidental contact  
 FDA: 1999 Food Code 6-101.11  
 California - Proposition 65  
 CFIA approved

### Environmental Data

PLAS-TEX® is made from 100% recycled resins.

### Where to Purchase

This product can be purchased directly from Parkland Plastics. Lead time is stock to 3 weeks. Cost depends upon the thickness of the PLAS-TEX laminate and the substrate selected.