

**PRODUCT:**
**Overview:**

Parkland™ **DURO-THERM™** panels feature a solid polymer surface permanently laminated over a 100% polymer fluted core. This composite wall and ceiling panel construction is tough, lightweight and waterproof, offering excellent impact resistance, and R-3 insulation with a 100% polymer construction.

**Handling:**

Parkland DURO-THERM panels feature easy handling and fabrication and cut smoothly without dust. DURO-THERM 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:**

DURO-THERM performance exceeds glass fiber insulation performance for cleanability, waterproofness (absorption), impact resistance, and chemical resistance. DURO-THERM is safe to clean with most strong chemicals including bleach.

**Specification:**

The DURO-THERM tough 100% non-porous laminated construction provides a VOC-free<sup>[1]</sup>, cost-effective solution for insulative panels meeting California Proposition 65, and G21 mold and mildew and requirements.

**APPLICATIONS & USES:**

DURO-THERM is ideal for insulated walls and thermal breaks in walls in agricultural and commercial construction. Use DURO-THERM anywhere exposed to high-moisture, impacts, wet areas, and other areas exposed to high traffic and abuse.

Parkland DURO-THERM™ & LEED: Products can qualify for LEED points under MR 4.1, 4.2, 5.1, 5.2, & IEQ section 4.1.

**DURO-THERM Features:**

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

**Warranties:**

- All DURO-THERM products carry a one year exclusive non-pro-rated warranty.

**Other Products:**

- DURO-THERM Lite ■ DURO-THERM Lite-FR
- DURO-THERM-FR

**Product Availability**

Thickness	Product	Flame and Smoke Class	Texture	Available Colors	Panel Size	Installation	Available Accessories
15/32"	DURO-THERM	C (III)	Matte, Smooth, Cracked-Ice	White	4' x 8' 4' x 10' 4' x 12'	Mechanically Fastened to Studs or Wall	Monochrome Moldings for 15/32" thickness
5/8"	DURO-THERM FR	A (I)	NuMatte, Smooth, Custom	White Various	4' x 8'		None
5/16"	DURO-THERM Lite	C (III)	Smooth, Cracked-Ice	White	4' x 10'		
3/8"	DURO-THERM Lite FR	A (I)	Smooth, Cracked-Ice	White			

[1] VOCs below detectable limits – none detectable VOC materials able to be found. NOTE: "DURO-THERM-FR" class products pass ASTM E-84 Class-A (I) for flame spread and smoke developed.

**DURO-THERM PROPERTIES: (1)**

ASTM D-790	Flexural strength (machine direction) Modulus of elasticity Flexural modulus	74,962 psi 1,075 psi
ASTM D-696	Coefficient of Lineal Thermal Expansion	4.98 X 10 <sup>-5</sup> in/in/°F
ASTM D-4226	Drop dart impact	25.8 cm Mean failure height
ASTM D-638	Tensile strength	2900 psi
ASTM D-2240	Hardness	69 Shore D
	Weight	.68 lb./sq.ft.
ASTM D-3273	Resistance to mold growth	10

1-DURO-THERM 15/32" thickness, NEMA results based on the NEMA LD 3-2000. NOTE: "DURO-THERM-FR" class products pass ASTM E-84 Class-A (I) for flame spread and smoke developed.

**1. DURO-THERM Specifications**

**Parkland DURO-THERM** wall panels defined as: Non-porous, solid waterproof polymer insulative panels featuring integral reinforcement, pigments, and high performance modifiers, and meeting applicable building materials standards; NEMA, UL, ANSI, ASTM, and California Proposition 65 and having minimum physical, performance, and environmental properties specified.

**2. DURO-THERM Finish:**

DURO-THERM 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. DURO-THERM Dimensions:**

- DURO-THERM: 15/32"      ■ DURO-THERM Lite: 5/16"
- DURO-THERM FR: 5/8"      ■ DURO-THERM Lite FR: 3/8"

**Width:** 48" +/- 1/8", **Length:** 96, 120", 144" +/- 3/8"

**Approvals & Certifications, DURO-THERM:**

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

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

**Serviceable Temperature Range** – Parkland DURO-THERM panels shall maintain its performance characteristics and physical properties in temperatures ranging from -40°F to 140°F. DURO-THERM panels may discolor near heat sources.

**DURO-THERM Advantage** – DURO-THERM is the original 100% waterproof and rot-proof insulative architectural panel. Our one year non-prorated warranty proves it.

**Accessories** – Color-matched monochrome poly moldings and Parkland SpectraTile ceilings make the perfect complement to DURO-THERM 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.

**For Additional Information, see:**

- Parkland DURO-THERM Sell Sheet
- Parkland DURO-THERM and DURO-THERM-FR CSI Specifications
- Parkland DURO-THERM/DTMLITE/DTMFR/DTMLITEFR Use & Care Guide

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

Prices, specifications, and product information are presented in good faith and believed correct at time of printing, and are subject to change without notice. Colors, sizes and product images are for general reference use only, are approximate, and variations may occur in printing and/or production. Parkland™ Plastics and its affiliates do not warrant the accuracy or timeliness of any information contained in any product document and have no liability for any errors or omissions in such.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT(S) TO WHICH INFORMATION REFERS.

