

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. **Do not use pencil on Parkland Panel front surfaces.**

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^[1], 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	NA	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	NA	Smooth, Cracked-Ice	White	4' x 10'		
7/16"	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 ⁻⁵ 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: 7/16"

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

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