

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

Parkland™ **INSULEX** insulative panels and tiles replace and exceed traditional fiberglass and mineral insulation specifications, performance and environmental properties.

**Handling:**

Parkland **INSULEX** panels are lightweight, 100% fiberglass-free, and cut easily with ordinary field tools including jigsaw, circular saw.

**Cleaning and Chemical Resistance:**

**INSULEX** products exceed mineral fiber insulation performance for cleanability, waterproofness (absorption), impact resistance, and chemical resistance. **INSULEX** is safe to clean with most strong chemicals including bleach solutions.

**Specification:**

**INSULEX** is tough with 100% polymer construction provides a tough VOC-free<sup>[1]</sup>, cost-effective solution for insulative panels meeting California Proposition 65, and G21 mold and mildew requirements.

**APPLICATIONS & USES:**

**INSULEX** is ideal for insulated ceilings in food areas, wet areas, and service areas in restaurants, food processing facilities, and warehouses. Use **INSULEX** in building areas exposed to high-moisture, impacts, moisture

**PARKLAND INSULEX & LEED:** Products can qualify for LEED points under MR 4.1, 4.2, 5.1, 5.2, & IEQ SECTION 4.1.

**INSULEX Features:**

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

**Warranty:**

- All **INSULEX** products carry a one year exclusive non-prorated warranty.

**Other INSULEX Products:**

- **INSULEX-FR** panels
- **INSULEX-FR** ceiling tiles

**Product Availability**

Product	Texture	Available Colors	Thickness	Panel Size	Installation	Available Accessories
<b>INSULEX</b>	Matte, Smooth Cracked-Ice	White Almond	1"	4' x 8' 4' x 10' 4' x 12'	Mechanically Fastened to studs or Wall	None
<b>INSULEX-FR Panels</b>	Matte, Smooth Cracked-Ice	White		4' x 8' 4' x 10'		
<b>INSULEX-FR Tiles</b>	Matte, Smooth Cracked-Ice	White		2' x 2' 2' x 4'	Ceiling Grid	

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

### PHYSICAL PROPERTIES\*:

INSULEX-FR	ASTM E-84 Flame and Smoke Performance [1]	Class-A (I)
INSULEX	ASTM E-84 Flame and Smoke Performance	Not Rated
ASTM D-2844	Insulation Value	R5 for 1" foam
ASTM D-4060	Taber Abrasion (wear resistance)	.060 wear index
ASTM D-638	Tensile Strength	1,412
ASTM D-638	Tensile Modulus	491,079
ASTM D-790	Flexural Strength (psi)	3,988 psi
ASTM D-790	Flexural Modulus (psi)	688,000 psi
ASTM D-570	Water Absorption	0.055%
ASTM D-2240	Hardness	65 Shore D
ASTM D-1308	Stain Resistance	No Effect
ASTM D-1308	Cleanability	10 (best)
ASTM	G-21	No Growth (Pass)

1- Insulex-FR products ASTM E-84 Class-A (I) for flame spread and smoke developed.

### INSULEX Specifications

- 1. Parkland INSULEX** wall panels defined as: Non-porous, waterproof polymer insulative panels meeting applicable building materials standards; UL, ANSI, ASTM, NFPA, and California Proposition 65 and having minimum physical, performance, and environmental properties specified.
- 2. Panel Finish:**  
INSULEX is available in a variety of textures and colors. Panel or tile 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:**
  - Thickness, all products: 1"
    - INSULEX Panels: 4' x 8', 10', 12'
    - INSULEX Ceiling Tiles: 2' x 2', 2 x 4'**Width: : 24", 48" +/- 1/8" Length: 96, 120", 144" +/- 1/4"**

### Approvals & Certifications, INSULEX-FR:

- Compliant with California Proposition 65.
- Passes Class A per Steiner Tunnel testing under ASTM E-84 and UL listed based on NFPA 286 room corner burn.
- Mold & Mildew Resistant per ASTM D-3273-94 and D-3274-95 tests.
- Passes standard mold and mildew resistance per G21.

**\*\*NOTE TO SPECIFIER\*\*** Parkland™ INSULEX installations provide a unique combination of features including light reflectance, 100% waterproof construction, scrubbable surface, and best-in-class cleanability.

### GENERAL:

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

**Serviceable Temperature Range** – Parkland INSULEX products shall maintain performance characteristics and physical properties in temperatures ranging from -40°F to 125°F. INSULEX products may discolor near heat sources.

**Parkland INSULEX Advantage** – INSULEX-FR is the only waterproof, scrubbable, rot-proof, insulative ceiling panel that passes NFPA 286.

**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 INSULEX Sell Sheets
- Parkland INSULEX/INSFR Use & Care Guide
- Parkland INSULEX/INSFR Warranty

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

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