

# FRP Kemlite Fiberglass Cooling Tower Panels

Profile: **4.2 Corrugated Fire-Rated**

Weight: 8oz/ft<sup>2</sup>, 12oz/ft<sup>2</sup>

Color: 1207 Light Gray

Product Code: CT4.2FR

Technical Data Form# 6533

Rev. 01

9/06



PROPERTIES	4.2 CORRUGATED FIRE-RATED	ASTM METHOD
Nominal Panel Weight	8oz/ft <sup>2</sup> and 12oz/ft <sup>2</sup>	—
Tensile Strength	7,000 psi	ASTM D638
Tensile Modulus	630,000 psi	ASTM D638
Flexural Strength	15,500 psi	ASTM D790
Flexural Modulus	660,000 psi	ASTM D790
Barcol Hardness	30-40	ASTM D2583
Light Transmission	< 5%	ASTM D1494
Flame Spread	20	ASTM E84
Burning Rate	—	ASTM D635
Burn Length	< 1 inch	ASTM D635
U.B.C. Class	CC1	—

TOLERANCES (ALL PANELS)	
Panel Weight	±10%
Rib Height	±1/16
Length	±1/8
Width	±1/8

#### FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS

The numerical flame spread and smoke development ratings are not intended to reflect hazards presented by Crane Composites' products or any other fire conditions. These ratings are determined by small-scale tests conducted by Underwriters Laboratories and other independent testing facilities using the American Society for Testing and Materials E-84 test standard (commonly referred to as the "Tunnel Test"). CRANE COMPOSITES' PROVIDES THESE RATINGS FOR MATERIAL COMPARISON PURPOSES ONLY. Like other organic building materials (e.g. wood), panels made of fiberglass reinforced plastic resins will burn. When ignited, frp may produce dense smoke very rapidly. All smoke is toxic. Fire safety requires proper design of facilities and fire suppression systems, as well as precautions during construction occupancy. Local codes, insurance requirements and any special needs of the product user will determine the correct fire-rated products and fire suppression system necessary for a specific installation.

#### CODES & APPROVALS

- ♦ASTM D-3841 - "Specification for Glass Fiber-Reinforced Polyester Plastic Panels"
- ♦CTI Code for Standard Specification, Bulletin STD-131- "Fiberglass Reinforced Plastic Panels for Application on Industrial Water Cooling Towers"

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www.kemlitect.com  
1-800-238-6874  
1-731-764-2153  
1-731-764-6397 fax

Crane Composites, Inc.  
(formerly Kemlite Company, Inc.)  
23525 W. Eames St.  
Channahon, IL 60410



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