# **Technical Data Sheet**



**CERACLAD Solid Core Panel and Corner Products** 

**Solid Core Texture: Contemporary Smooth** 

### **Product Description**

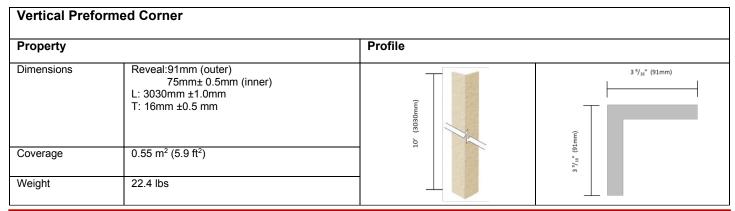
CERACLAD is a fiber cement panel rain screen system manufactured by KMEW Co., Ltd. All panel products meet or exceed the standards of ASTM 1186 and ICC-ES AC-90. Solid Core products are Type A, Grade II as defined by ASTM 1186.

ICC-ESR #1627

# **Panel and Corner Specifications**

Panels					
Property		Profile			
Dimensions	W: 455mm ± 0.6mm L : 3030mm ±1.0mm T: 16mm ±0.5 mm	5 mm) (77 6°			
Coverage	1.38 m <sup>2</sup> (15 ft <sup>2</sup> )	18° (465 mm)			
Weight	60 lbs	10' (3030 mm) 5/8" (16 mm)			

Horizontal Preformed Corner					
Property		Profile			
Dimensions	Reveal:91mm (outer) 75mm± 0.5mm (inner) L: 455mm ± 0.6mm T: 16mm ±0.5 mm	(455mm)	3 <sup>9</sup> / <sub>18</sub> " (91mm)		
Coverage	0.08 m <sup>2</sup> (0.89 ft <sup>2</sup> )	, a	3 º/10" (91mm)		
Weight	3.3 lbs				



# **Fire and Combustibility**

CERACLAD has been tested per **ASTM E 84**, Standard Test Method for the Surface Burning Characteristics of Building Products. CERACLAD panel products are rated **Class A**, with a **Smoke Development Classification of 0**, **Flame Spread Classification of 0**.

CERACLAD is a **non-combustible** product in accordance **CAN/ULC-S114**, Standard Method of Test for Determination of Non-Combustibility in Building Materials

CERACLAD may be used as part of a **one-hour fire-resistance rated wall assembly** in accordance with testing per **ASTM E 119**. Please consult ESR-1627 for a description of 1 hr rated assemblies.

CERACLAD has met the conditions of NFPA 268, Test Method for Determining Ignitability of Exterior Wall Assemblies.

# **Physical Properties**

Testing of CERACLAD solid core per ICC-ES AC 90: Acceptance Criteria for Fiber Cement Siding Used as Exterior Wall Siding and ASTM C 1186: Standard Specification for Flat Fiber Cement Sheets

Test Result	Requirement	Pass/Fail
0.00	±0.25	
0.02	±0.13	Pass
0.02	±0.19	
0.00	±0.05	
1479	1450	Pass
1083	1015	Pass
98	>80	Pass
115	No Requirement	No Requirement
67.7	No Requirement	No Requirement
0.14	No Requirement	No Requirement
39.0	No Requirement	No Requirement
No drop formation	No drop formation	Pass
No apparent changes	No visible cracks or	Pass
	structural alterations	
No apparent changes	No visible cracks or	Pass
1,111111	structural alterations	
	0.00 0.02 0.02 0.00 1479 1083 98 115 67.7 0.14 39.0 No drop formation No apparent changes	0.00         ±0.25           0.02         ±0.13           0.02         ±0.19           0.00         ±0.05           1479         1450           1083         1015           98         >80           115         No Requirement           67.7         No Requirement           0.14         No Requirement           No drop formation         No drop formation           No apparent changes         No visible cracks or structural alterations           No apparent changes         No visible cracks or

## **Transverse Loading**

Consult ICC-ESR 1627 code compliance report for Allowable Transverse Loads (design pressure / ASD) with 3.0 safety factor applied.

## **Green Statistics**

Minimum Recycled Content:	44.5%	Thermal Properties	
Pre-Consumer:	30.3%	R Value (Resistance)	0.50
Post-Consumer:	umer: 14.2%	U Value (Conductivity)	1.98

# Warranty

**50 Year Limited Warranty:** The Product shall: not incur structural cracking, rot or delaminate under normal use and wear and shall resist damage caused by termites for a period of 50 years under normal use.

**20 Year Limited Warranty:** The Ceramic Product finish shall (A) retain its color and luster (meaning color fade shall not exceed color No. 1-2 and E= 9.6 in accordance with ISO 105-A02:1990, Test for color fastness- A02: Grey scale for assessing change in color) for color integrity, and shall not significantly (B) peel, (C) incur structural cracking, or (D) chip, for a period of 20 years under normal use.

15 Year Limited Warranty: The CREATIV™ Product finish shall not significantly (A) peel, (B) incur structural cracking, or (C) chip, for a period of 15 years under normal use

<sup>\*</sup> Please see full warranty for further details on warranty coverage, limitations and exclusions