

# COMPOSITE SLATTED CLADDING



**TITLE:** COMPOSITE SLATTED CLADDING

**CODE:** CSC\_36M

**SPEC:** Bfl - s1

**DESCRIPTION:**  
STANDARD COMPOSITE SLATTED  
CLADDING 150mm x 3.6mtr



## COMPOSITE PANEL CLADDING



### PRODUCT SPECIFICATION

<b>Nominal Size:</b>	168mm
<b>Cover:</b>	150mm
<b>Square Metre Coverage:</b>	0.54m <sup>2</sup>
<b>Length:</b>	3.6mtr
<b>Guarantee:</b>	20-Year Residential & 10-Year Commercial
<b>Material:</b>	HDPE & Wood Composite
<b>Specification:</b>	B1 Grade Fire Retardant
<b>Key Benefits:</b>	Excellent UV Resistance
<b>Key Benefits:</b>	360 All Around Protection
<b>Key Benefits:</b>	Termite & Insects Resistance



### FIRE STANDARDS & CERTIFICATES

<b>Certificate Number:</b>	CZDG00568655
<b>Test Date:</b>	9th January 2018
<b>Authorized By:</b>	Intertek Testing Services Shenzhen LTD
<b>Test Sample:</b>	WPC Cladding
<b>Sample Thickness:</b>	25mm
<b>Initial Inspection:</b>	No Damage Was Found
<b>Result:</b>	Bfl - s1
<b>As Per:</b>	EN 13501-1:2007+A1:2009
<b>Conclusion 1 &amp; 2</b>	Pass
<b>Conclusion 3</b>	Class: s1

No.	Test Item			Test Method	Standards Requirement	Test Results	Conclusion
1	Critical heat flux			EN ISO 9239-1:2010	≥8.0 kW/m <sup>2</sup>	8.5 kW/m <sup>2</sup>	Pass
2	Flammability	Surface flame attack (Exposure = 15s)	Flame Spread within 20s	EN ISO 11925-2:2010	Bfl ≤150mm	123mm	Pass
3	Smoke Production			EN ISO 9239-1:2010	S1 ≤ 750%xmin S2 Not s1	695%xmin	Class: s1
Conclusion	EN 13501-1:2007+A1:2009 Fire Classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests: Bfl - s1						
Remark	The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.						

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### Test Report

Tests conducted

#### Annex A

Classes of Reaction to fire performance for floorings:

No.	Test Method(s)	Classification criteria	Additional classification
A1 <sub>fl</sub>	EN ISO 1182 <sup>a</sup> and	$\Delta T \leq 30^{\circ}\text{C}$ ; and $\Delta m \leq 50\%$ ; and $t_f = 0$ ( i.e. no sustained flaming )	-
	EN ISO 1716	$PCS \leq 2,0 \text{ MJ/kg}^a$ and $PCS \leq 2,0 \text{ MJ/kg}^b$ and $PCS \leq 1,4 \text{ MJ/m}^2^c$ and $PCS \leq 2,0 \text{ MJ/kg}^d$	-
A2 <sub>fl</sub>	EN ISO 1182 <sup>a</sup> or	$\Delta T \leq 50^{\circ}\text{C}$ and $\Delta m \leq 50\%$ and $t_f \leq 20\text{s}$	-
	EN ISO 1716 and	$PCS \leq 3,0 \text{ MJ/kg}^a$ and $PCS \leq 4,0 \text{ MJ/m}^2^b$ and $PCS \leq 4 \text{ MJ/m}^2^c$ and $PCS \leq 3,0 \text{ MJ/kg}^d$	-
	EN ISO 9239-1 <sup>e</sup>	Critical flux <sup>f</sup> $\geq 8,0\text{kW/m}^2$	Smoke production <sup>g</sup>
B <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux <sup>f</sup> $\geq 8,0\text{kW/m}^2$	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> Exposure = 15s	$F_s \leq 150 \text{ mm}$ within 20 s	-
C <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux <sup>f</sup> $> 4,5\text{kW/m}^2$	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> Exposure = 15s	$F_s \leq 150 \text{ mm}$ within 20s	-
D <sub>fl</sub>	EN ISO 9239-1 <sup>e</sup> and	Critical flux <sup>f</sup> $\geq 3,0\text{kW/m}^2$	Smoke production <sup>g</sup>
	EN ISO 11925-2 <sup>h</sup> Exposure = 15s	$F_s \leq 150 \text{ mm}$ within 20s	-
E <sub>fl</sub>	EN ISO 11925-2 <sup>h</sup> Exposure = 15s	$F_s \leq 150 \text{ mm}$ within 20s	-
F <sub>fl</sub>	No performance determined		

<sup>a</sup> For homogeneous products and substantial components of non-homogeneous products.

<sup>b</sup> For any external non-substantial component of non-homogeneous products.

<sup>e</sup> For any internal non-substantial component of non-homogeneous products.

<sup>c</sup> For the product as a whole.

<sup>e</sup> Test duration = 30 min.

<sup>f</sup> Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a test period of 30 min, whichever is the lower (i.e. the flux corresponding with the furthest extent of flame).

<sup>g</sup> **s1** = Smoke  $\leq 750$  % minutes;

**s2** = not s1.

<sup>h</sup> Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack