CLADDING SYSTEMS

PBSL GROUP

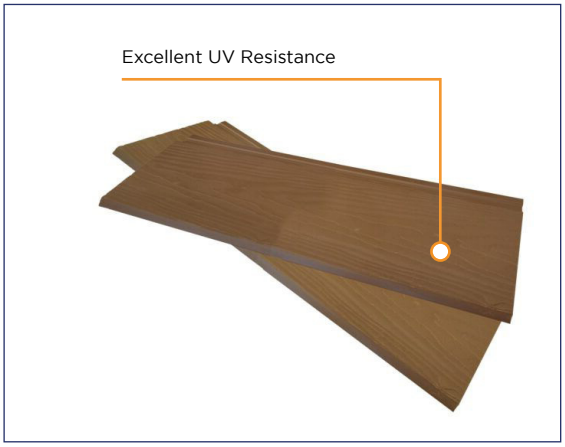
COMPOSITE PANEL CLADDING

TITLE: COMPOSITE PANEL CLADDING

CODE: CPC_36M

SPEC: Bfl - s1

DESCRIPTION:
STANDARD COMPOSITE PANEL CLADDING 135mm x 3.6mtr



PRODUCT SPECIFICATION

Nominal Size:	154mm
Cover:	135mm
Square Metre Coverage:	0.486m²
Length:	3.6mtr
Guarantee:	20-Year Residential & 10-Year Commercial
Material:	HDPE & Wood Composite
Specification:	B1 Grade Fire Retardant
Key Benefits:	Excellent UV Resistance
Key Benefits:	360 All Around Protection
Key Benefits:	Termite & Insects Resistance

FIRE STANDARDS & CERTIFICATES

Certificate Number:	CZDG00568654
Test Date:	9th January 2018
Authorized By:	Intertek Testing Services Shenzhen LTD
Test Sample:	WPC Cladding
Sample Thickness:	25mm
Initial Inspection:	No Damage Was Found
Result:	Bfl - s1
As Per:	EN 13501-1:2007+A1:2009
Conclusion 1 & 2	Pass
Conclusion 3	Class: s1

No.	Test Item			Test Method	Standards Requirement		Test Results	Conclusion
1	Critical heat flux			EN ISO 9239-1:2010	Bfl	≥8.0 kW/m²	8.5 kW/m²	Pass
2	Flammability	Surface flame attack (Exposure = 15s)	Flame Spread within 20s	EN ISO 11925-2:2010		≤150mm	123mm	Pass
3	Smoke Production			EN ISO 9239-1:2010	S1	≤ 750%xmin	695%xmin	Class: s1
					S2	Not 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.							

Certificate Number:	CZDG00568654
Test Date:	9th January 2018

Test Report

Tests conducted

Annex A

Classes of Reaction to fire performance for floorings:

No.	Test Method(s)	Classification criteria	Additional classification
A1 $_{fl}$	EN ISO 1182 [a] and	ΔT ≤30°C; and Δm ≤50%; and t_f = 0 (i.e. no sustained flaming)	-
	EN ISO 1716	*PCS* ≤ 2,0 MJ/kg [a] and *PCS* ≤ 2,0 MJ/kg [b] and *PCS* ≤ 1,4 MJ/m² [c] and *PCS* ≤ 2 ,0 MJ/kg [d]	-
A2 fl	EN ISO 1182 [a] or	ΔT ≤ 50°C and Δm ≤ 50% and t_f ≤ 20s	-
	EN ISO 1716 and	*PCS* ≤ 3,0 MJ/kg [a] and *PCS* ≤ 4,0 MJ/m² [b] and *PCS* ≤ 4 MJ/m² [c] and *PCS* ≤ 3,0 MJ/kg [d]	-
	EN ISO 9239-1 [e]	Critical flux [f] ≥ 8,0kW/m²	Smoke production [g]
B fl	EN ISO 9239-1 [e] and	Critical flux [f] ≥ 8,0kW/m²	Smoke production [g]
	EN ISO 11925-2 [h] Exposure = 15s	*Fs* ≤ 150 mm within 20 s	-
C fl	EN ISO 9239-1 [e] and	Critical flux [f] > 4,5kW/m²	Smoke production [g]
	EN ISO 11925-2 [h] Exposure = 15s	*Fs* ≤ 150 mm within 20s	-
D fl	EN ISO 9239-1 [e] and	Critical flux f ≥ 3,0kW/m²	Smoke production [g]
	EN ISO 11925-2 [h] Exposure = 15s	*Fs*≤ 150 mm within 20s	-
E fl	EN ISO 11925-2 [h] Exposure = 15s	Fs ≤ 150 mm within 20s	-
F fl	No performance determined		

[a] For homogeneous products and substantial components of non-homogeneous products.
[b] For any external non-substantial component of non-homogeneous products.
[e] For any internal non-substantial component of non-homogeneous products.
[c] For the product as a whole.
[e] Test duration = 30 min.
[f] 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).
[g] **s1** = Smoke ≤ 750 % minutes;
s2 = not s1.
[h] Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack