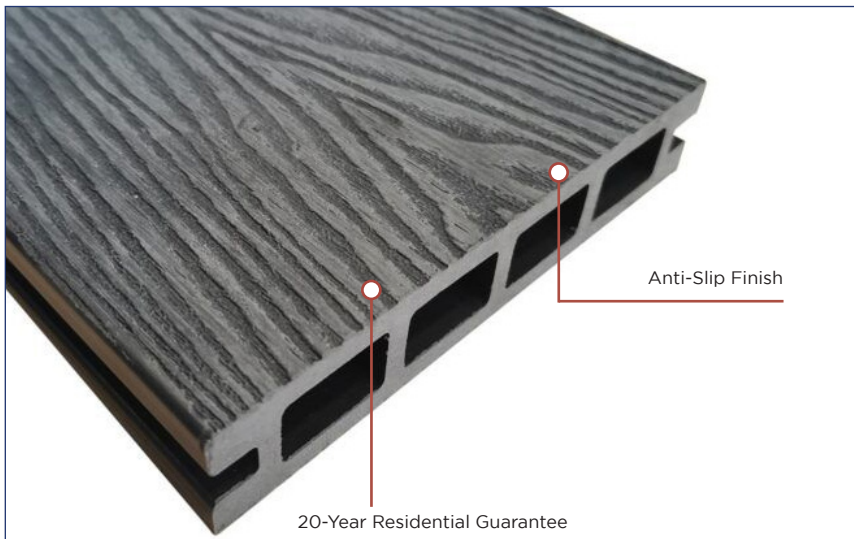




COMPOSITE DECKING



TITLE: COMPOSITE DECKING

CODE: CD_ _36M

SPEC: Bfl - s1

DESCRIPTION:
STANDARD COMPOSITE DECKING
135mm x 3.6mtr



COMPOSITE PANEL CLADDING



PRODUCT SPECIFICATION

Nominal Size:	135mm
Cover:	135mm
Square Metre Coverage:	0.486m ²
Length:	3.6mtr
Guarantee:	20-Year Residential & 10-Year Commercial
Material:	HDPE & Wood Composite
Specification:	B1 Grade Fire Retardant
Key Benefits:	Anti-Slip Finish
Key Benefits:	No Rotting, Splintering Or Warping
Key Benefits:	Environmentally friendly



FIRE STANDARDS & CERTIFICATES

Certificate Number:	CZDG00568653
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	≥8.0 kW/m ²	8.5 kW/m ²	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.						

COMPOSITE PANEL CLADDING



Certificate Number:	CZDG00568653
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	$\Delta T \leq 30^{\circ}\text{C}$; 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 _{fl}	EN ISO 1182 ^a 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 ^e	Critical flux ^f $\geq 8,0\text{kW/m}^2$	Smoke production ^g
B _{fl}	EN ISO 9239-1 ^e and	Critical flux ^f $\geq 8,0\text{kW/m}^2$	Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	$F_s \leq 150 \text{ mm}$ within 20 s	-
C _{fl}	EN ISO 9239-1 ^e and	Critical flux ^f $> 4,5\text{kW/m}^2$	Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	$F_s \leq 150 \text{ mm}$ within 20s	-
D _{fl}	EN ISO 9239-1 ^e and	Critical flux ^f $\geq 3,0\text{kW/m}^2$	Smoke production ^g
	EN ISO 11925-2 ^h Exposure = 15s	$F_s \leq 150 \text{ mm}$ within 20s	-
E _{fl}	EN ISO 11925-2 ^h Exposure = 15s	$F_s \leq 150 \text{ mm}$ 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