

ReduxTM

CLADDING

REDUX CLADDING FIRE PERFORMANCE

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EN 13501-1:2018 FIRE CLASSIFICATION OF CONSTRUCTION PRODUCTS AND BUILDING ELEMENTS

REACTION TO FIRE CLASSIFICATION: D-S3, D0

Fire Behaviour		Smoke Production			Flaming droplets	
D	-	s	3	,	d	0

PART 1: CLASSIFICATION DATA FROM REACTION TO FIRE TESTS.

1. EN 13823:2020+A1:2022 Reaction to fire tests for building products -
Building products excluding floorings exposed to the thermal attack by a single burning item.

2. EN ISO 11925-2:2020 Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test.

Test Method	Parameter	Results
EN 13823	FIGRA _{0.2MJ} (W/s)	380.9
	FIGRA _{0.4MJ} (W/s)	380.9
	Whether lateral flame spread (LFS) to the edge of specimen (Yes/No)	No
	THR _{600s} (MJ)	19.9
	SMOGRA (m ² /s ²)	324.9
	TSP _{600s} (m ²)	1083.7
	Flaming particles or droplets (Yes/No)	No
EN ISO 11925-2 Exposure = 30 s	Whether vertical flame spread (Fs) in excess of 150 mm within 60s (Yes/No)	No
	Ignition of the filter paper (Yes/No)	No

This classification has been carried out in accordance with **EN 13501-1:2018**

Sample size EN 13823: 1500mm×1000mm & 1500mm×495mm

EN ISO 11925-2: 250mm×90mm

Thickness Thickest: 16.4mm; Thinnest: 10.9mm

Density 11.5 kg/m²

Valid for the following end use applications:

- With all substrates classified as A1 or A2
- With mechanically fixing
- Have joint



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Classes of reaction to fire performance for construction products excluding floorings.

Class	Test Method (s)	Classification Criteria	Additional Classification
A1	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 $PCS \leq 2.0\text{MJ/kg b c}$ and $PCS \leq 1.4\text{MJ/m}^2\text{ d}$ and $PCS \leq 2.0\text{MJ/kg e}$	-
A2	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 $PCS \leq 4.0\text{MJ/m}^2\text{ b}$ and $PCS \leq 4.0\text{MJ/m}^2\text{ d}$ and $PCS \leq 3.0\text{MJ/kg e}$	-
	EN 13823	$FIGRA 0.2\text{MJ} \leq 120\text{W/s}$ and LFS -edge of specimen and $THR 600\text{s} \leq 7.5\text{MJ}$	Smoke production f and Flaming droplets/particles g
B	EN 13823 and	$FIGRA 0.2\text{MJ} \leq 120\text{W/s}$ and LFS -edge of specimen and $THR 600\text{s} \leq 7.5\text{MJ}$	Smoke production f and Flaming droplets/particles g
	EN ISO 11925-2 i Exposure = 30s	$F_s \leq 150\text{mm}$ within 60s	
C	EN 13823 and	$FIGRA 0.4\text{MJ A} \leq 250\text{W/s}$ and LFS -edge of specimen and $THR 600\text{s} \leq 15\text{MJ}$	Smoke production f and Flaming droplets/particles g
	EN ISO 11925-2 i Exposure = 30s	$F_s \leq 150\text{mm}$ within 60 s	
D	EN 13823 and	$FIGRA 0.4\text{MJ} \leq 750\text{W/s}$	Smoke production f and Flaming droplets/particles g
	EN ISO 11925-2 i Exposure = 30s	$F_s \leq 150\text{mm}$ within 60 s	
E	EN ISO 11925-2 i Exposure = 15s	$F_s \leq 150\text{mm}$ within 20 s	Flaming droplets/particles h
F	EN ISO 11925-2i Exposure = 15 s	$F_s > 150\text{mm}$ within 20 s	-



Board Dimensions: 179.1 x 15.5mm

PRODUCT COLOURS



MOONSTONE

FAWN

SMOKE

Born from the passionate pursuit of enhancing outdoor spaces.

Developed with over 20 unique woodgrains for an ultra realistic timber appearance, hand finished in three naturally aesthetic colourways. There is one simple idea that drives Redux, to capture the essence of timber and combine it with the sustainable and practical nature of modern manufacturing. The end result is a product that installs with no need for clips or predrilling, and the ability to far outlast its wooden predecessors.