

Fire Performance

DekBoard has been tested for reaction to fire in accordance with BS EN 13501-1:2018 and achieved an overall classification of Class Bfl-s1.

BS EN 13501-1:2018

Under BS EN 13501-1:2018 the fire classification of construction products and building elements are considered in relation to their end use or application.

The Standard sets out the reaction to fire classification procedure for the majority of construction products, including products incorporated within building elements.

There are three main product categories:

- Construction products, excluding floorings and linear pipe thermal insulation products.
- Floorings.
- Linear pipe thermal insulation products.

DekBoard has been tested under the Floorings category to BS EN ISO 9239-1:2010* Reaction to fire tests for Floorings and BS EN ISO 11925-2:2010 Single-flame source test.

This method is applicable to all types of flooring ranging from metal through to wood and synthetic materials. Results obtained by this method reflect the performance of the flooring, including any substrate if used.

Classifications	Reference	Typical Examples of Products
A1 fl	Non flammable	Metal, concrete, stone
A2 fl	Non flammable	Steel, metal with finishes
B fl	Flame-retardant products	Gypsum, DekBoard
C fl	Flame-retardant products	Hardwood
D fl	Normally flammable products	Softwood, linoleum, OSB
E fl	Normally flammable products	Laminate
F fl	Easily flammable products	Carpets

*ISO 9239-1:2010 specifies a method for assessing the wind-opposed burning behaviour and spread of flame of horizontally mounted floorings when exposed to a heat source.