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Title:

Classification of Fire Resistance Performance In Accordance With EN 13501-2: 2007 +A1:2009

Notified Body No:

0833

Product Name:

Firemaster / Rockspan / Rainspan sandwich panels

Report No:

366599

Issue No:

1

Prepared for:

Eurobond Laminates Ltd

Wentloog Corporate Park
Cardiff
CF3 2ER

Date:

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UKAS TESTING
0249

This classification report consists of four pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to non-loadbearing partitions based on a range of mineral wool sandwich panels type Firemaster / Rockspan / Rainspan in accordance with the procedures given in BS EN 13501-2:2007 +A1:2009.

2. Details of classified product

2.1 General

For classification purpose, the Firemaster / Rockspan / Rainspan range of mineral wool sandwich panels is a range of Self-supporting double skin metal faced insulating panels, as defined in EN 14509, with steel facings and of lamella grade 120 kg/m^3 stone wool insulation, bonded to the steel facings using adhesive.

2.2 Product description

The element, non-loadbearing partitions based on Firemaster / Rockspan / Rainspan sandwich panels, is fully described in the test reports referenced below and provided in support of classification detailed in Clause 3.1.

3. Test reports in support of classification

3.1 Summary of test reports

The tests have been performed following EN 1364-1.

Report ref	Panel thickness	Orientation	Insulation	Integrity
WFR 325774	150 mm	horizontal	244 minutes	246 minutes

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with Clause 7.5 of EN 13501-2:2007.

4.2 Classification

The products, range of mineral wool sandwich panels may be classified according to the following combinations of performance parameters and classes as appropriate.

R	E	I	W		*t*	-	M	C	S	IncSlow	sn	ef	r

Considering the tests submitted for classification, the tested assemblies provide the following classifications:

Fire resistance classification: EI180 – EI240

4.3 Field of Application (EN 1364-1:2015, in connection with EN 14509:2013 and EN 15254-5:2009)

General

The partition assembly shall be installed onto a supporting construction, which is capable of supporting the partition, with a fire resistance related to loadbearing capacity as defined in EN 13501-2 (R) of at least the required fire resistance period of the partition.

Permissible Size Variations for the Panel

Any increase in thickness using the same insulating core material is allowed.
A decrease in panel width is allowed.
An increase of up to 20% (up to 1386 mm) of the panel width is allowed.

Materials and Constructions, core material

A decrease in density of 10% is allowed relative to the tested density.
An increase of density is allowed up to a maximum density of 150 kg/m^3.

Materials and Constructions, metal facings

The facing thickness can be 0.25 – 0.75 mm nominal.
The facings can be made of any grade of steel.
the coating can be any colour on the exposed side
a coating with higher emissivity values compared to the tested one is allowed on the non-exposed side
Any profile change of the metal facing is allowed.

Span length

For a classification of up to EI 180 the span may be increased to 10.0 m in the (tested) horizontal orientation.

For a classification of up to EI 240 the orientation of the panels can be horizontal (tested orientation) as well vertical with a span of maximum 4.00 m

In the case of an increase in span, the number of fasteners should be increased to be able to carry the increased load during the required period. The required number of fasteners can be calculated as described in Annex B of EN 15254-5.

5. Limitations

This classification document does not represent type approval or certification of the product.

SIGNED **APPROVED**





F Paap
Certification Engineer

A Kearns
Technical Manager

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