



CLASSIFICATION OF FIRE RESISTANCE PERFORMANCE IN ACCORDANCE WITH EN 13501-2: 2003

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Notified Body No: 1234

Product name: FischerTHERM DL140 sandwich panels

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1. Introduction

This classification report defines the classification assigned to element load bearing roof construction from FischerTHERM DL140 sandwich panels, in accordance with the procedures given in EN 13501-2:2003

2. Details of classified product

2.1 General

The element, load bearing roof construction from FischerTHERM DL140 sandwich panels, is defined as a load bearing roof construction

2.2 Product description

The element, load bearing roof construction from FischerTHERM DL140 sandwich panels, is fully described in the test reports provided in support of classification listed in Clause 3.1. a short description is given below.

Product description:

The sandwich panels were constructed from a pentane-blown polyisocyanurate core, density approximately 40 kg/m³, with steel profiled sheets on both sides.

The wall was constructed by putting the panels together with a foam strip in the joints, and mechanically fixed by means of screws.

Connection to the supporting construction was done in a usual manner.

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
TNO Centre for Fire Research	Fischer Profil GmbH	2006-CVB-R0115	EN 1365-2

3.2 Test results

Test method & Test number	Parameter*	Results
EN 1365-2	Applied load	33 kg/m ²
	Loadbearing capacity	31 minutes
	Integrity cotton pad gap gauges sustained flaming	not reached not reached not reached
	Insulation T _{max} T _{avg}	31 minutes 34 minutes

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 7 of EN 13501-2:2003

4.2 Classification

The element, load bearing roof construction from FischerTHERM DL140 sandwich panels, is classified according to the following combinations of performance parameters and classes as appropriate.

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Fire resistance classification: REI30

4.3 Field of application

This classification is valid for the following end use applications:

- i) as a roof

This classification is also valid for the following product variations:

span	maximum 4,30 m
width	not limited
load	maximum 33 kg/m ²
inclination	0° up to 25°, when constructed as apex or monopitch roof
foam density	approximately 40 kg/m ³ ; the foam formulation may not be changed.

5. Limitations

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

SIGNED



W. Langstraat

APPROVED



Dr. F. Paap