



## Classification report on fire resistance

in accordance with EN 13501-2 : 2016

– *Translation* –

**Classification report no.:**

K-2102/245/19-MPA BS

**Client:**

DOLLE AS  
Vestergade 47  
7741 Froestrup, Dänemark

**Product to be classified:**

Separating floor  
“Loadbearing, separating, heat-insulating timber joist floor combined with two attic stairs (one with a steel ladder, the other with a timber ladder)”

**Number of notified testing body:** 0761-CPR

**Issue no.:** 1<sup>st</sup> version

**Issue date:** 03/02/2020

This classification report comprises 4 pages.

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## 1 Introduction

This classification report on fire resistance defines the classification assigned to the component “Loadbearing, separating, heat-insulating timber joist floor combined with two attic stairs (one with a steel ladder, the other with a timber ladder)” in accordance with the procedures stipulated in EN 13501-2 : 2016.

## 2 Details of the classified product

### 2.1 Function information

The “Loadbearing, separating, heat-insulating timber joist floor combined with two attic stairs (one with a steel ladder, the other with a timber ladder)” is defined as loadbearing floor combined with two installations.

### 2.2 Description

The component “Loadbearing, separating, heat-insulating timber joist floor combined with two attic stairs (one with a steel ladder, the other with a timber ladder)” is fully described in the test reports listed in Section 3.1

## 3 Test reports and test results used to substantiate this classification

### 3.1 Test results

Name of testing laboratory	Name of client	Number of test report	Testing method
MPA Braunschweig	DOLLE AS Vestergade 47 7741 Froestrup, Dänemark	2101/463/18–Wein dated 10/10/2019	DIN EN 1365-2 : 2000-02, DIN EN 1363-1 : 2012-10

### 3.2 Results

Component	Separating floor under exposure to fire from below		
Testing method, quantity and date	Parameter(s)	Results	
DIN EN 1365-2 : 2000-02, Test Report No. 2101/463/18–Wein dated 10/10/2019	Fire load:	Standard temperature-time curve in accordance with DIN EN 1363-1 : 2012-10	
	Direction of fire load:	From below	
	Load applied:	1.74 kN/m <sup>2</sup>	
	Loadbearing capacity:	> 47 min	
	Integrity	Cotton pad	> 47 min
		Gap gauge	> 47 min
		Sustained flaming	> 47 min
	Thermal insulation	I	46 min
	Radiation	W	-
Mechanical load	M	-	

## 4 Classification and scope of application

### 4.1 Basis for the classification

This classification was performed in accordance with EN 13501-2 : 2016, Section 7.

The test reports in accordance with EN 1365-2 : 2000-02 in conjunction with EN 1363-1 : 2012-10, as listed in Section 3.1, were checked by MPA Braunschweig. The results are assessed in this classification report in accordance with the currently applicable test standards EN 1365-2 : 2015-02 and EN 1363-1 : 2012-10 and considered suitable for classification in accordance with DIN EN 13501-2 : 2016.

### 4.2 Classification

The component “Loadbearing, separating, heat-insulating timber joist floor combined with two attic stairs (one with a steel ladder, the other with a timber ladder)” is classified by the following combinations of performance parameters and classes:

<b>R</b>	<b>E</b>	<b>I</b>	<b>W</b>		<b>tt</b>	<b>-</b>	<b>M</b>	<b>S</b>	<b>C</b>	<b>IncSlow</b>	<b>sn</b>	<b>ef</b>	<b>r</b>
<b>x</b>	<b>x</b>	<b>x</b>	<b>-</b>		<b>x</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

#### 4.2.1 Separating floor under exposure to fire on the underside

**Fire resistance classification: REI 45**

#### 4.3 Scope of application

The component has the following field of direct application in accordance with EN 13501-2 : 2016 in conjunction with EN 1365-2 :2015-02.

The test results are directly applicable to constructions that deviate from the tested one in one or several of the following aspects:

- a) The maximum moments and shear forces must not exceed the tested values, while applying a calculation basis that corresponds to the one that led to the determination of the test load;
- b) The board dimensions of the underside cladding may exceed the tested dimensions by maximally 5 % or 50 mm;
- c) The dimensions of the largest opening tested or the largest attic stairs tested must not be exceeded;
- d) The height of cavity H and the distance d between the underside cladding and the load-bearing timber beam must correspond at the to the tested dimensions ( $H \geq 200$  mm,  $d \geq 30$  mm);
- e) No additional combustible materials or additional insulating materials other than the tested ones may be installed. An increase in the combustible mass (materials) is not admissible.

## 5 Restrictions

The classification document cannot be construed as type approval or certification for the product.

<b>Classification report</b>	<b>Name</b>	<b>Signature <sup>a)</sup></b>	<b>Date</b>
<b>Prepared by</b>	M. Weingarten		03/02/2020
<b>Checked by</b>	G. Blume		03/02/2020

<sup>a)</sup> For and on behalf of: Materialprüfanstalt für das Bauwesen, Braunschweig

*This document is the translated version of Classification Report no. K-2102/245/19-MPA BS dated 21/01/2020. The legally binding text is the aforementioned German classification report.*