

Evidence of performance

Fire resistance of building elements

Classification Report

N° 22-001860-PR01

(KB-F15-01-en-02)



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Prepared by the notified body
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Number of notified body 0757

Designation "Holzständerwand mit Rigidur H und ISOVER ULTIMATE (HW12RH)" (wooden stud wall) (as specified by client)

Classification Classification of fire resistance according to EN 13501-2:2016

Issue No. 2

Basis

EN 13501-2:2016
EN 1363-1:2020
EN 1365-1:2012 + AC:2013

Instructions for use

This classification report defines the classification, which is assigned to the named element in accordance with the procedure of EN 13501-2. This document does not represent type approval or certification of the product.

Validity

This test report does not allow any statement to be made on any further characteristics regarding performance and quality of the product presented.

Notes on publication

The ift Guidance Sheet "Conditions and Guidance for the Use of ift test reports" applies.

Contents

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Load bearing walls

Classification

REI 90

ift Rosenheim

06.12.2022

Translation dated 13.12.2022*

signed

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signed

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This document is valid without a signature. The original document n° 22-001860-PR01 (KB-F15-01-de-02) dated 06.12.2022 remains legally binding.

1 Introduction

This classification report for fire resistance defines the classification assigned to the building element "Holzständerwand mit Rigidur H und ISOVER ULTIMATE (HW12RH)" (wooden stud wall) in conformity with the methods set out by EN 13501-2:2016.

The building element was classified for the first time in the classification report 22-001860-PR01 (KB-F15-01-de-01) dated 30.11.2011.

This issue number 2 supersedes the previous issue.

2 Details of the classified product

2.1 General

The component "Holzständerwand mit Rigidur H und ISOVER ULTIMATE (HW12RH)" (wooden stud wall) is covered by the product type load bearing walls in the terms of EN 1365-1.

Its function is to resist an one-sided fire exposure according to the characteristic fire behavior under clause 5 of EN 13501-2 on one side.

A load side is not fixed.

2.2 Description

The component "Holzständerwand mit Rigidur H und ISOVER ULTIMATE (HW12RH)" (wooden stud wall) is fully described in the test reports in support of classification listed in 3.1.

3 Test reports/reports on field of extended application and test results for verification of classification

3.1 Test reports/extended application reports

The following test reports and test results were submitted for classification.

Name of testing body / NB n°	Name of client	Report ref. no	Test standards and date of issue/ Standards of extended application and date of issue
ift Rosenheim 0757	Saint-Gobain Rigips GmbH 40549 Düsseldorf (Germany)	22-001705-PR01 (PB-F15-01-de-01)	EN 1365-1:2012 + AC:2013

3.2 Results

Test report number	Parameters		
22-001705-PR01 (PB-F15-01-de-01) dated 29.09.2022	Supporting construction	Surround panel	
	Exposed face	symmetrical configuration	
	Criteria		Results
	R - Load-bearing capacity		91 minutes
	E - Integrity		91 minutes
	W - radiation max. 15 kW/m ²		npd
I - Insulation		91 minutes	

3.3 Validation

The tests mentioned in 3.1 are based on the currently valid test standards.

4 Classification and field of application

4.1 Reference for classification

This classification is based on EN 13501-2:2016, Clause 7.

4.2 Classification

The component "Holzständerwand mit Rigidur H und ISOVER ULTIMATE (HW12RH)" (wooden stud wall) is classified according to the following combinations of performance parameters and classes, as applicable.

R	E	I	W		t	t	-	M	S	C	IncSlow	sn	ef	r	G	K
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Classification of fire resistance: REI 90

4.3 Scope

4.3.1 General

This classification is valid for the following practical application (end use):

Load bearing walls

4.3.2 Direct field of application according to EN 1365-1

Following configurations of the product are in accordance with the direct application of the test results for the classification under 4.2.

Reference to standard EN 1365-1	Permitted changes to the tested specimen
13	<p>The results of the fire tests are directly applicable to similar constructions where one or more of the changes listed below are made and where the construction continues to comply with the appropriate design code for its stiffness and stability.</p> <ul style="list-style-type: none"> a) decrease in height of wall; b) increase in thickness of wall; c) increase in thickness of associated materials; d) decrease in linear dimensions of boards or panels but not thickness; e) decrease in stud spacing; f) decrease in spacing of fixings; g) increase in number of horizontal joints, when tested with at least one joint not more than (500±150) mm from top edge; h) decrease of applied load; i) widening, provided that test specimen was tested in full width or a width of 3 m, whichever is greater.

5 Restrictions

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

ift Rosenheim

06.12.2022

