

CLASSIFICATION REPORT NON-LOADBEARING WALL

Name of sponsor:	Byggeri København		
Product name:	Cirkulær skillevæg (CSV)		
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Client information

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The results relate only to the items tested. The classification report should only be reproduced in extenso – in extracts only with a written agreement with this institute.

Content

1	Introduction	4
2	Details of classified product	4
	General	4
	Product description.....	4
3	Reports in support of the classification	4
	Test report	4
	Test results.....	5
4	Classification and field of application	5
	Reference.....	5
	Classification	5
	Field of application.....	5
5	Limitations	6

1 Introduction

This classification report defines the classification assigned to the product in accordance with the procedures given in EN 13501-2:2023.

This classification report includes the direct field of application of the test results.

2 Details of classified product

General

Producer of product: Byggeri København

The product was designated: Cirkulær skillevæg (CSV)

The classification is valid for the following end use application: Non-loadbearing wall.

Product description

The test specimen was a non-loadbearing wall construction manufactured from steel studs and gypsum boards. The wall was constructed to be detachable, so it could be rebuilt in a different location.

The wall systems consist of a prefabricated system of 2 x 12.5 mm gypsum plasterboards mounted to a special steel profile with a tongue and groove system connected to plywood and gypsum profile. Called "CSV" on the drawings in PGA12220A.

The top of the wall was constructed with 2 x 12.5 mm gypsum plasterboards build on to a fixed steel framework. Called "skørt"

Size of the test product: 3000 mm x 2950 mm x 120 mm (Height x Width x Thickness). The test specimen was symmetrical.

The details of the product are described in DBI test report PGA12220A dated 15-09-2023.

3 Reports in support of the classification

Test report

The product was successfully tested in accordance with EN 1364-1: 2015. The evidence for this is given in the test report listed below:

Reference test:				
Name of Laboratory	Name of sponsor	Test report file no.	Test method	Date of test
Danish Institute of Fire and Security Technology	ERIKarkitekter A/S	PGA12220A dated 15-09-2023.	EN 1364-1:2015	10-08-2023

Test results

DBI test report PGA12220A concerns a non-loadbearing wall the result of the test are listed below:

Test Duration	Parameter	Test results
72 minutes	<p>Integrity</p> <ul style="list-style-type: none"> - Time of ignition of cotton pad: - Time of occurrence of sustained flaming: - Time of failure of gap gauge criteria: <p>Insulation</p> <ul style="list-style-type: none"> - Failure of insulation due to failure of integrity: - Time of failure of measured average temperature rise: - Failure of maximum measured temperature rise 	<p>72 minutes</p> <p>No failure</p> <p>No failure</p> <p>72 minutes</p> <p>No failure</p> <p>No failure</p>

4 Classification and field of application

Reference

This classification has been carried out in accordance with clause 7.5.2 of EN 13501-2:2023.

Classification

The product is classified according to the following combinations of performance and classes as appropriate.

Fire resistance classification: EI 60

The classification is valid for fire resistance from either side.

Field of application

The classification is valid for the following end use conditions:

The test results are directly applicable to similar constructions where one or more changes in this field of application are made, and the construction continues to comply with the appropriate design code for its stiffness and stability. Other changes are not permitted.

Allowed changes according to EN 1364-1:2015 chapter 13.

- With decrease in height. The tested height was 3000 mm. The horizontal deflection was below 100 mm during the first 60 minutes of the test. The height can therefore be increased to a maximum of 4000 mm.
- With increase in the thickness of the wall. Minimum thickness is 120mm.
- With increase in the thickness of component materials. The minimum thickness of the steel profiles is 1.25 mm. The minimum thickness of Gyproc GNE 13 R Ergo is 12.5. mm.
- With decrease in the linear dimensions of the boards but not the thickness. The maximum board dimensions is 900 x 2500 mm (Width x height)
- With decrease in stud spacing. The maximum distance between the studs is 810 mm.
- With decrease in distance between fixing centers. Both layers were fixed per approx. c/c 200 mm along the edges
- With increase in the number of vertical joints as tested.
- Unlimited increase in the width of the wall.
- The construction can be installed in high density constructions with at least the same resistance to fire classification.

5 Limitations

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

Danish Institute of Fire and Security Technology



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