DBI REPORT

This is a revised version of classification report PCA10458A dated 04-10-2017. This version supersedes the previous version.



Name of sponsor:	Cembrit Holding A/S			
Product name:	Cembrit Multi-Force/Windstopper Extreme board			
File no.:	PCA10458A-rev1			
Date:	09-10-2017			
Pages:	6	Encl.:	None	
Ref:	SFY / ADR			
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Danish Institute of Fire and Security Technology



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.



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1 Introduction

This classification report defines the classification assigned to the product in accordance with the procedures given in DS/EN 13501-2:2016.

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

2 Details of classified product

General

Producer of product: Cembrit Holding A/S

The product was designated: Cembrit Multi-Force/Windstopper Extreme board

The classification is valid for the following end use application: Covering

Product description

The product consisted of two layers of fibre-cement boards with a total thickness of 21 mm.

The layer which was fixed directly to the substrate, had a nominal thickness of 12 mm designated Cembrit Multi-Force. The boards had a maximum dimension of 1200×3000 mm and were fixed with screws to the substrate.

The layer which was facing the fire exposure, had a nominal thickness of 9 mm designated Cembrit Windstopper Extreme. The boards had a maximum dimension of 1200×2700 mm and were fixed with nails to the substrate.

The details of the product are described in DBI test report PGA11110A dated 29-09-2017.



3 Reports in support of the classification

Test report

The product was successfully tested in accordance with EN 14135:2004. 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	Cembrit Holding A/S	PGA11110A dated 29-09-2017	EN 14135:2004	18-09-2017			

Test results

DBI test report PGA11110A concerns a fire protection ability test for a covering consisting of fibre-cement boards mounted directly on the chipboard substrate with no air cavity between the boards and the substrate.

Test Duration	Parameter	Test results
30 minutes	Integrity	
	- Collapse of the covering or parts of it:	No failure
	- Ignition or charring of the chipboard:	No failure
	Insulation	
	 Temperature rise on the unexposed side of the covering: Average: Maximum: 	149 °C 166 °C



4 Classification and field of application

Reference

This classification has been carried out in accordance with clause 7.6 of EN 13501-2:2016.

Classification

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

Fire protection ability classification: K₂ 30

Field of application

The classification is valid for the following end use conditions:

Covering

- Cembrit Multi-Force fibre-cement boards with a maximum dimension of 1200 x 3000 mm (with x length)
- Cembrit Winstopper Extreme fibre-cement boards with a maximum dimension of 1200 x 2700 mm (with x length)
- Mounted without distance between the boards
- Mounted with T-connections between the boards
- With the same fixing method but closer distance between the fixings in the 12 mm layer (c/c approx. 400 mm along the edge and 600 mm in the middle)
- With the same fixing method but closer distance between the fixings in the 9 mm layer (c/c approx. 200 mm along the edge and 400 mm in the middle)
- Horizontal, vertical and sloped application of the covering
- On all substrates

5 Limitations

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

Danish Institute of Fire and Security Technology

Fursturing

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