Classification Report Covering

Name of sponsor:	**Rockwool Nordics A/S**		
Product name:	Rockwool REDAir		
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Test Reg.no. 12

Client information

Client: Rockwool Nordics A/S

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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

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: Rockwool Nordics A/S

The product was designated: Rockwool REDAir

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

Product description

The test specimen consisted of a layer with mineral wool held in place by wooden planks fixed with screws through the mineral wool to the substrate.

The details of the product are described in DBI test report PGA11696A dated 09-03-2020.

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	Rockwool Nordic A/S	PGA11696A dated 09-03-2020	EN 14135:2004	29-01-2020

Test results

DBI test report PGA11696A concerns a fire protection ability test of a covering consisting of one layer with mineral wool laid with staggered joints. This was held in place by wooden planks fixed with screws to a standard substrate with no air cavity in the construction.

Test Duration	**Parameter**	**Test results**
10 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 lower side of the chipboard:	
	Average:	8 °C
	Maximum:	10 °C

4 Classification and field of application

Reference

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

Classification

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

Fire protection ability classification: **K_1 10 and K_2 10**

Field of application

The classification is valid for the following end use conditions:

- Rockwool REDAir Batts with a maximum size of 1000 x 600 mm (length x width).
- One layer of REDAir Batts with a thickness of 100 mm.
  With staggered joints in the width direction and with REDAir Flex LVL planke over the joints in the length direction.
- Horizontal, vertical and sloped application of the covering.
- On substrates with a density of at least 300 kg/m^3 for a covering designated K_1 10.
- On all substrates for a covering designated K_2 10.
- With the same fixing method but closer spacing between the fixings than in the test specimen.
- The tested cc of the screws where 750 mm paced in each REDAir Flex LVL planke.

5 Limitations

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

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