

0422-L-20/2

12 November 2020

Classification report

for roof coverings exposed to external fire

Resitrix SKW Full bond / FG 35 /
Georgia-Pacific DensDeck® Prime Roof
Board



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**Date of order
Project number
Author**

4 September 2020
0422-L-20/2
W.J.B. Middag

Subject

A.R. Hameete
classification using test data from
external fire exposure to roofs tests

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1 Introduction

By order of Carlisle Construction Materials B.V., Kiwa BDA Testing B.V. has drawn a classification report with reference to a fire test according to CEN/TS 1187:2012, test 2. This concerns the classification of an one layer system with a **Resitrix SKW Full bond** roof waterproofing sheet in combination with a **Georgia-Pacific DensDeck® Prime Roof Board** treated with **FG 35** primer, in accordance with the procedures given in EN 13501-5:2016 – Fire classification of construction products and building elements – Part 5: Classification using data from external fire exposure to roofs tests.

2 Description of the roof

The roof is fully described in the test report in support of this classification listed in table 1.

3 Test report and test results in support of this classification

Table 1

Name of laboratory	Name of sponsor	Number test report	Test method
Kiwa BDA Testing B.V.	Carlisle Construction Materials B.V.	0422-L-20/1, dated 12 November 2020	CEN/TS 1187:2012, test 2

4 Results

Test conditions

- Test pitch : 30°
- Substrate : Georgia-Pacific DensDeck® Prime Roof Board, gypsum, faced on both sides with a fibre glass facing, with a density of 707,2 kg.m⁻³ (without facings), treated with a FG 35 primer.

Table 2

Parameter	Criteria [m]		Test results [mm]					Compliance
	mean	max.	TS 1	TS 2	TS 3	mean	max.	
Damaged length at 2 m.s ⁻¹ – roof covering	≤ 0,550	≤ 0,800	457	435	430	441	457	yes
Damaged length at 2 m.s ⁻¹ – substrate	≤ 0,550	≤ 0,800	65	110	150	108	150	yes
Damaged length at 4 m.s ⁻¹ – roof covering	≤ 0,550	≤ 0,800	440	425	425	430	440	yes
Damaged length at 4 m.s ⁻¹ – substrate	≤ 0,550	≤ 0,800	20	40	45	35	45	yes

5 Classification and field of application

Reference

This classification has been carried out in accordance with EN 13501-5:2016.

Classification

The roof covering in an one layer system with a Resitrix SKW Full bond roof waterproofing sheet in combination with a Georgia-Pacific DensDeck® Prime Roof Board, gypsum, faced on both sides with a fibre glass facing, with a density of $707,2 \text{ kg.m}^{-3}$ (without facings), treated with a FG 35 primer, in relation to its external fire performance is classified: **B_{Roof} (t2)**.

Field of application

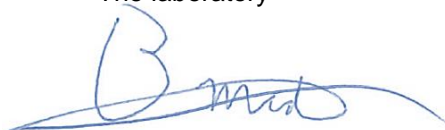
This classification is valid for the following conditions:

- all pitches;
- only for the product used on a substrate with composition identical to that used in the test and having a density greater than or equal to 0,75 times the density used in the test.

6 Limitations

This document is not valid as type approval or as certificate of the product.

Gorinchem, 12 November 2020
The laboratory



W.J.B. Middag
laboratory technician

Kiwa BDA Testing B.V.



Koert van Zee
manager

Designated as Notified Body
NB 1640 pursuant to the Construction
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Member