

BRE Global Classification Report

**Classification report for roofs/roof coverings exposed to external fire in accordance with EN 13501-5: 2016 on Cover It on 18 mm OSB
Test Date: 30 October 2020**

Prepared for: JJ Roofing Supplies Ltd
Date: 17 June 2021
Report Number: Additional Report P118949-1007 Issue 1

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Authorised by

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Position Section Leader, Reaction to Fire

Date 17 June 2021

Signature

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EXTERNAL EXPOSURE TO FIRE CLASSIFICATION REPORT OF Cover It on 18 mm OSB

Classification report No.:	Additional Report P118949-1007
Issue number:	1
Sponsor:	JJ Roofing Supplies Ltd
Product name:	Cover It on 18 mm OSB
Prepared by:	BRE Global Ltd., Bucknalls Lane, Garston, Watford, WD25 9XX, England.
Notified Body Number	0832
Date of issue:	17 June 2021

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1 Introduction

This classification report defines the classification assigned to roof/roof covering Cover It on OSB in accordance with the procedures given in EN 13501-5: 2016.

2 Sample

2.1 Traceability

The test samples were supplied by the test sponsor. BRE Global were not involved in the sample selection process and therefore cannot comment upon the relationship between samples supplied for test and the product supplied to market or any other portion of the product installed on this or any other building. Note that the performance of products sampled from the field may not be representative of the product when initially placed on the market and installed. The test results relate to the samples as received.

2.2 Description of the roof/roof covering

Unless otherwise stated all measurements are nominal.

Test Sponsor	JJ Roofing Supplies Ltd
Manufacturer of sample	Note 2
Sample name/reference	Cover It - GRP roof waterproofing system on OSB Deck
Place of manufacture	Furness House, Castle Park Industrial Estate, Flint, Flintshire CH6 5XA
Sample description (as provided by test sponsor/manufacturer)	GRP roof waterproofing system on OSB deck. A product definition as supplied by the test sponsor has been included in this report as Appendix A
Description of sample (as received by BRE Global)	Grey coated membrane on OSB base. Photographs of the sample are given in Appendix B.
Sample receipt date	22 October 2020
Test face	Coated membrane
Test format	The test was carried out in the flat position
Date of test	30 October 2020



Purchase order	RM 234321
Test operator	P Potter

3 Reports in support of classification

Name of Laboratory	Name of sponsor	Test report ref. no.	Test method
BRE Global	JJ Roofing Supplies Ltd	Additional Report P118949-1006	CEN/TS 1187: 2012 Test 4

4 Test results in support of classification

4.1 Test conditions:

Test pitch: Flat
Deck: As product description, Section 2
Supporting structure: As product description, Section 2



4.2 Preliminary test (stage 1)

Parameter	Criteria				Test result	Compliance			
	Class B _{ROOF(t4)}	Class C _{ROOF(t4)}	Class D _{ROOF(t4)}	Class E _{ROOF(t4)}		Class B _{ROOF(t4)}	Class C _{ROOF(t4)}	Class D _{ROOF(t4)}	Class E _{ROOF(t4)}
Burn time	< 5 min	< 5 min	< 5 min	≥ 5 min	0 sec	Y	-	-	-
Flame spread distance	< 0,38m	< 0,38m	< 0,38m	No limit	0 mm	Y	-	-	-
Penetration	None	None	None	None	None	Y	-	-	-

4.3 Penetration test (stage 2)

Parameter	Criteria				Test results				Compliance			
	Class B _{ROOF(t4)}	Class C _{ROOF(t4)}	Class D _{ROOF(t4)}	Class E _{ROOF(t4)}	Specimen 1	Specimen 2	Specimen 3	Mean*	Class B _{ROOF(t4)}	Class C _{ROOF(t4)}	Class D _{ROOF(t4)}	Class E _{ROOF(t4)}
Penetration time	≥ 60 min	< 60 min ≥ 30 min	<30 min	< 30 min	60 min	60 min	60 min	60 min	Y	-	-	-

* If one or two of the specimens have not failed at one hour, a time of 60 min shall be used in calculating the mean time of penetration



5 Classification and field of application

5.1 Reference of classification

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

5.2 Classification

The roof / roof covering Cover It on 18 mm OSB, as described in Section 2 above and Appendix A, in relation to its external fire performance is classified:

B_{ROOF}(t4)

5.3 Field of application

This classification is valid for the following conditions:

Range of pitches	0° < pitch ≤ 10°
Substrate / deck and supporting structure	As tested, no variation allowed
Product configuration	As tested, no variation allowed
Product composition	As tested, no variation allowed
Product application method	As tested, no variation allowed
Product thickness	As tested, no variation allowed
Product colour	As tested, no variation allowed
Supporting structure	As tested, no variation allowed
Joints	As tested, no variation allowed.

6 Limitations

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

The information in section 2.2 and Appendix A of this report, other than that indicated otherwise, has been supplied by the test sponsor and has not been independently verified by BRE Global. The validity of the results is conditional on the accuracy of that data.

Because of the nature of reaction to fire testing and the consequent difficulty in quantifying the uncertainty of measurement of reaction to fire, it is not possible to provide a stated degree of accuracy of the results.

This report is additional to that issued as P118949-1003 Issue 1 and dated 24 February 2021. The original report remains valid and is not replaced by the Additional Report. The product has not been retested and the Additional Report does not involve technical change or technical review of the original



report. The original and new name of the product and the name of the company commercially responsible for the product are documented by the laboratory and maintained in laboratory records.

The manufacturer has made a declaration, which is held on file, that the product placed in the market place, named in section 2.2 of this report and produced at the manufacturing plant listed therein, is exactly the same as the product that was tested on 30 October 2020. This has not been verified by BRE Global.

7 Reference

- 1 EN 13501-5: 2016 Fire classification of construction products and building elements – Part 5: Classification using data from external fire exposure to roofs tests. CEN, Avenue Marnix 17, B-1000, Brussels, Belgium. 2016.
- 2 CEN/TS 1187: 2012 Test methods for external fire exposure to roofs. Test 4 – Two stage method incorporating burning brands, wind and supplementary radiant heat. CEN, Avenue Marnix 17, B-1000, Brussels, Belgium. 2012.



Appendix A Product description provided by the test sponsor

PRODUCT DEFINITION

<p>Test sponsor (Company name and address): Note 2</p> <p>(Certificate in name of “JJ Roofing Supplies”)</p>	
Trade name	Cover It
Product reference/number	Note 1
General description	GRP roof waterproofing system on OSB Deck
Manufacturer of the roofing product (Company name and address)	Note 2
Place of manufacture	<p>Furness House</p> <p>Castle Park Industrial Estate</p> <p>Flint</p> <p>Flintshire</p> <p>CH6 5XA</p>
Test specimens assembled by (if not by roof product manufacturer)	Note 1
Thickness (overall depth of roof structure tested)	20mm
Mass per unit area (overall value for the roof structure tested)	Approx 14.0 Kg
Flame retardant treatment added or organic content limited during production (yes/no), if yes give details	Note 2



<p>Test sponsor (Company name and address): Note 2</p> <p>(Certificate in name of “JJ Roofing Supplies”)</p>	
Trade name	Cover It
Harmonised EN product standard, and AVCP System No. if applicable	ETAG 005 - 04(2000) System 3
<p>Test face - Name/reference (Layer 1) - Manufacturer - Type - Thickness - Mass per unit area - Colour - Application method - Joint details (fixing method, overlap, etc) - Fire retardant (trade name, generic type, amount)</p>	<p>Cover It Top Coat (B/No RT0909 010)</p> <p>Note 2</p> <p>GRP roof waterproofing top coat</p> <p>0.5mm</p> <p>0.5ltr/m2</p> <p>Grey</p> <p>Roller</p> <p>Note 1</p> <p>Note 2</p>



<p>Test sponsor (Company name and address): Note 2</p> <p>(Certificate in name of “JJ Roofing Supplies”)</p>	
Trade name	Cover It
<p>Layer 2</p> <ul style="list-style-type: none"> - Name/reference - Manufacturer - Type - Thickness - Mass per unit area - Colour - Application method - Joint details (fixing method, overlap, etc) - Fire retardant (trade name, generic type, amount) 	<p>Cover It Base Resin (B/No: RB0809 010)</p> <p>Note 2</p> <p>GRP waterproofing base coat</p> <p>1.0mm</p> <p>1.0ltr/m²</p> <p>Translucent</p> <p>Roller</p> <p>Note 1</p> <p>Note 2</p>
<p>Layer 3</p> <ul style="list-style-type: none"> - Name/reference - Manufacturer - Type - Thickness - Mass per unit area - Colour - Application method - Joint details (fixing method, overlap, etc) - Fire retardant (trade name, generic type, amount) 	<p>Cover It Chopped Strand Mat (Batch No: 45200929).</p> <p>Note 2</p> <p>Chopped strand glass reinforcing mat</p> <p>Note 1</p> <p>450g/m²</p> <p>Note 1</p> <p>(Note : This is within layer 2)</p> <p>Note 1</p> <p>Note 1</p>



Test sponsor (Company name and address): Note 2 (Certificate in name of “JJ Roofing Supplies”)	
Trade name	Cover It
Layer 4 - Name/reference - Manufacturer - Type - Thickness - Mass per unit area - Colour - Application method - Joint details (fixing method, overlap, etc) - Fire retardant (trade name, generic type, amount)	Sterling OSB3 Note 2 Oriented strand board 18mm 11.6kg/m2 N/A N/A N/A N/A

Note 1: This information was not provided by the test sponsor.

Note 2: At the request of the test sponsor, this commercially sensitive information has been withheld from the report and is held on file in confidence by BRE Global.



Appendix B Photographs of a test specimen

