

# BRE Global Test Report

**CEN/TS 1187: 2012 Test 4 External fire exposure to roofs test 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 P118949-1006 Issue 1

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Date 17 June 2021

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## 1 Objective

To classify the sample described in Section 2 according to its capacity to resist penetration by fire, using the external fire exposure to roofs test specified in CEN/TS 1187: 2012 Test 4<sup>1</sup>.

## 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 sample and test format.

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 Conditioning

The specimens were conditioned as required by the standard.

### 4 Results

#### 4.1 Preliminary ignition test

Specimen reference	Joint	Ambient	Flame spread mm	Flame duration min:sec	Penetration min:sec
E13133/1	None	18.8 °C 68.9 %RH	0	0:00	None

#### 4.2 Penetration test

Specimen reference	Joint	Ambient	Penetration min:sec	Observations
E13133/5	OSB (butt)	20.0 °C 69.7 %RH	None	Severe flaming from approx. 6 – 8 minutes. Subsided to minor flaming by 9 minutes. See note 1
E13133/6	None	20.3 °C 72.1 %RH	None	Did not ignite. See note 1
E13133/7	None	20.5 °C 71.8 %RH	None	Did not ignite. See note 1

Note 1: between 19 – 20 minutes edges flexed and broke air seal on sample. From this time until end of test no negative pressure could be applied.

#### 4.3 Observations

No dripping of material occurred from the underside of any specimen tested, nor was any mechanical failure, or development of holes, observed.



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## 5 Conclusion

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CEN/TS 1187: 2012 does not contain acceptance criteria and therefore this test report does not indicate a pass or fail of the product.

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## 6 Validity

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This test report 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 P118949-1001 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

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## 7 Reference

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- 1 CEN/TS 1187: 2012. Test methods for external fire exposure to roofs. Test 4 – Method with two stages incorporating burning brands, wind and supplementary radiant heat. CEN, Avenue Marnix 17, B-1000, Brussels, Belgium.



## Appendix A Product description provided by the test sponsor

### PRODUCT DEFINITION

<p>Test sponsor (Company name and address): <b>Note 2</b></p> <p><b>(Certificate in name of “JJ Roofing Supplies”)</b></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): <b>Note 2</b></p> <p><b>(Certificate in name of “JJ Roofing Supplies”)</b></p>	
Trade name	Cover It
Harmonised EN product standard, and AVCP System No. if applicable	ETAG 005 - 04(2000) System 3
<p>Test face (Layer 1)</p> <ul style="list-style-type: none"> <li>- Name/reference</li> <li>- Manufacturer</li> <li>- Type</li> <li>- Thickness</li> <li>- Mass per unit area</li> <li>- Colour</li> <li>- Application method</li> <li>- Joint details (fixing method, overlap, etc)</li> <li>- Fire retardant (trade name, generic type, amount)</li> </ul>	<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>





Test sponsor (Company name and address): **Note 2**

(Certificate in name of “JJ Roofing Supplies”)

Trade name	Cover It
<p>Layer 2</p> <ul style="list-style-type: none"> <li>- Name/reference</li> <li>- Manufacturer</li> <li>- Type</li> <li>- Thickness</li> <li>- Mass per unit area</li> <li>- Colour</li> <li>- Application method</li> <li>- Joint details (fixing method, overlap, etc)</li> <li>- Fire retardant (trade name, generic type, amount)</li> </ul>	<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/m<sup>2</sup></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"> <li>- Name/reference</li> <li>- Manufacturer</li> <li>- Type</li> <li>- Thickness</li> <li>- Mass per unit area</li> <li>- Colour</li> <li>- Application method</li> <li>- Joint details (fixing method, overlap, etc)</li> <li>- Fire retardant (trade name, generic type, amount)</li> </ul>	<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/m<sup>2</sup></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): <b>Note 2</b>  (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 which forms part of the definition of the product tested/classified has been withheld from the report and is held on a confidential client file by BRE Global.



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## Appendix B Photographs of the test specimens

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