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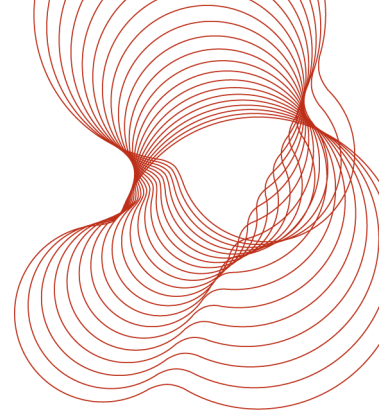
**Classification report for
roofs/roof coverings
exposed to external fire
in accordance with BS
EN 13501-5:
2005+A1:2009**

Prepared for:
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6th December 2012
Classification report no
282050A Issue 2



0578



4 Test results

Test conditions:

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

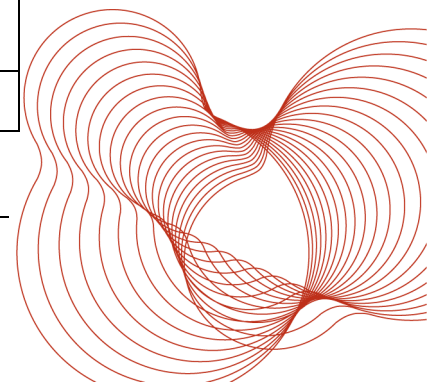
Preliminary test (stage 1)

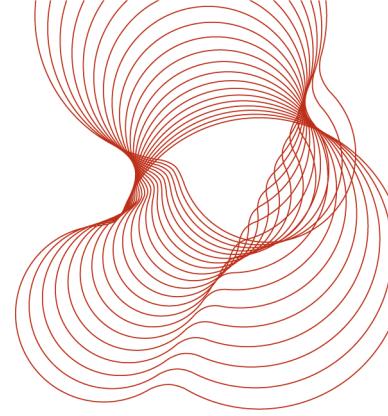
Parameter	Criteria				Test result	Compliance			
	Class B _{ROOF(t4)}	Class C _{ROOF(t4)}	Class D _{ROOF(t4)}	Class E _{ROOF(t4)}		Class B _{ROOF(t4)}	Class C _{ROOF(t4)}	Class D _{ROOF(t4)}	Class E _{ROOF(t4)}
Burn time	< 5 min	< 5 min	< 5 min	≥ 5 min	0 sec	Y	-	-	-
Flame spread distance	< 0,38m	< 0,38m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

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 Table 1 of EN 13501-5:2005+A1:2009.

5.2 Classification

The roof / roof covering RubberBond FleeceBack EPDM on a plywood deck 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

$$0^{\circ} \leq \text{pitch} \leq 10^{\circ}$$

Deck and supporting structure

The classification is valid only for the deck and supporting structure tested.

6 Limitations

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

This report is Issue 2 of BRE report 282050A dated 25th September 2012. At the request of the client, a correction to the product description has been made in this report. BRE report 282050A Issue 1 dated 25th September 2012 has been withdrawn with effect from the date of this report.

This classification document has been written with reference to a test carried out to CEN/TS 1187:2012, test 4². CEN/TS 1187:2012, test 4 supersedes ENV1187:2002 and is expected to be recognised in any update to EN 13501-5:2005+A1:2009³. There is no change to the test procedure in CEN/TS 1187:2012, test 4.

The specification and interpretation of fire test methods are the subject of ongoing development and refinement. Changes in associated legislation may also occur. For these reasons, it is recommended that the relevance of test and classification reports over five years old should be considered by the user. The laboratory that issued the report will be able to offer, on behalf of the legal owner, a review of the procedures adopted for a particular test or classification to ensure that they are consistent with current practices, and if required may endorse the report.