

Saint-Gobain Construction Products UK
Trading as:

Celotex Ltd
Lady Lane Industrial Estate,
Hadleigh,
Ipswich,
Suffolk,
IP7 6BA

02 July 2018
Our Ref. P107614-1022

Dear Sir

CLASS 0 CLASSIFICATION

We are writing to provide a classification on your sample as described in Table 1 below against the performance criteria for Class 0 as given in The Building Regulations 2010, Fire Safety, Approved Document B, 2006 Edition incorporating 2010 and 2013 amendments and the reports referenced in Table 2 should be read in conjunction with this letter.

The product was stated to be:

Table 1

Test sponsor	Saint-Gobain Construction Products UK Trading as: Celotex Ltd, Lady Lane Industrial Estate, Hadleigh, Ipswich, Suffolk, IP7 6BA.
Manufacturer of sample	As above.
Sample name/reference	"Celotex 5050 Line 1".
Sample description (as provided by test sponsor/manufacturer)	Aluminium foil faced and backed polyisocyanate (PIR) insulation. Nominal thickness 50 mm, nominal density 32 kg/m ³ . Insulation, "CP400E 28-028". Foil facings, "FSS 38-172".

The specimen achieved the following reported results

Table 2

Test method	Test laboratory	Report reference	Date	Test results
BS 476 Part 7: 1997	Exova Warringtonfire	388962 01 Nov 2017	"Celotex 5050 Line 1"	Class 1
BS 476 Part 6: 1989 + A1: 2009	BRE Global	P107614-1018 Issue 2 29 June 2018	"Celotex 5050 Line 1"	Fire propagation index (I) = 7.1 Sub-index (i ₁) = 1.1

The Building Regulations 2010, Fire Safety, Approved Document B, 2006 Edition incorporating 2010 and 2013 amendments

Appendix A, Performance of materials and structures, Paragraph 13 :-

'The highest National product performance classification for lining materials is Class 0. This is achieved if a material or the surface of a composite product is either;

- a. composed throughout of materials of limited combustibility; or
- b. a Class 1 material which has a fire propagation index (I) of not more than 12 and sub index (i₁) of not more than 6.

Note: Class 0 is not a classification identified in any British Standard test.'

In our opinion the data presented in the reports detailed in Table 2, for the product described in Table 1, satisfied the requirements of Class 0 as defined above. This opinion is issued on the basis of test data and information to hand at the time of issue. If contradictory evidence becomes available to BRE Global the opinion will be unconditionally withdrawn and the applicant will be notified in writing.

The specification and interpretation of fire test methods is 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 reports over 5 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 to ensure that they are consistent with current practices, and if required may endorse the test report.

The test samples were supplied by the client. 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.

This letter may only be distributed in its entirety and in accordance with the terms and conditions of the contract. Test results relate only to the items tested. BRE Global have no responsibility for

the design, materials, workmanship or performance of the product or items tested. This report does not constitute an approval, certification or endorsement of the product tested.

This letter is written on behalf of BRE Global. By receiving the letter and action on it, the client accepts that no individual is personally liable in contract, tort or breach of statutory duty (including negligence). No third party has any right to rely on this report.

If you have any queries please do not hesitate to contact us.

Yours sincerely,



J Hunter
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S Howard
Director of Fire Testing & Certification
For and on behalf of BRE Global

Saint-Gobain Construction Products UK
Trading as:

Celotex Ltd
Lady Lane Industrial Estate,
Hadleigh,
Ipswich,
Suffolk,
IP7 6BA

28 February 2018
Our Ref. P107614-1021

Dear Sir

CLASS 0 CLASSIFICATION

We are writing to provide a classification on your sample as described in Table 1 below against the performance criteria for Class 0 as given in The Building Regulations 2010, Fire Safety, Approved Document B, 2006 Edition incorporating 2010 and 2013 amendments and the reports referenced in Table 2 should be read in conjunction with this letter.

The product was stated to be:

Table 1

Test sponsor	Saint-Gobain Construction Products UK Trading as: Celotex Ltd, Lady Lane Industrial Estate, Hadleigh, Ipswich, Suffolk, IP7 6BA
Manufacturer of sample	As above.
Sample name/reference	Celotex 5050 Line 2 (nominal thickness 50 mm) Celotex 5160 Line 2 (nominal thickness 160 mm)
Sample description (as provided by test sponsor/manufacturer)	Celotex 5050 – 5160 insulation (Line 2) with foam core (28-038) and Stucco aluminium facers (38-172).

The specimen achieved the following reported results

Table 2

Test method	Test laboratory	Report reference	Date	Test results
BS 476 Part 7: 1997	Exova Warringtonfire	388964 01 Nov 2017	Celotex 5050 Line 2	Class 1
BS 476 Part 7: 1997	Exova Warringtonfire	388968 01 Nov 2017	Celotex 5160 Line 2	Class 1
BS 476 Part 7: 1997	BRE Global	P107614-1006 25 Jan 2018	RS5100 – Line 2	Class 1
BS 476 Part 7: 1997	BRE Global	P107614-1015 25 Jan 2018	FR5100 – Line 2	Class 1
BS 476 Part 7: 1997	BRE Global	P107614-1009 25 Jan 2018	RS5160 – Line 2	Class 1
BS 476 Part 6: 1989 + A1: 2009	BRE Global	P107614-1019 25 Jan 2018	5050 Line 2	Fire propagation index (I) = 10.5 Sub-index (i ₁) = 4.6
BS 476 Part 6: 1989 + A1: 2009	BRE Global	P107614-1020 25 Jan 2018	5160 – Line 2	Fire propagation index (I) = 6.6 Sub-index (i ₁) = 2.0

The Building Regulations 2010, Fire Safety, Approved Document B, 2006 Edition incorporating 2010 and 2013 amendments

Appendix A, Performance of materials and structures, Paragraph 13 :-

'The highest National product performance classification for lining materials is Class 0. This is achieved if a material or the surface of a composite product is either;

- a. composed throughout of materials of limited combustibility; or
- b. a Class 1 material which has a fire propagation index (I) of not more than 12 and sub index (i₁) of not more than 6.

Note: Class 0 is not a classification identified in any British Standard test.'

In our opinion the data presented in the reports detailed in Table 2, for the product described in Table 1, satisfied the requirements of Class 0 as defined above. In our opinion this is valid for all thicknesses of the product described in Table 1 from 50 mm to 160 mm. This opinion is issued on the basis of test data and information to hand at the time of issue. If contradictory evidence becomes available to BRE Global the opinion will be unconditionally withdrawn and the applicant will be notified in writing.

The specification and interpretation of fire test methods is 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 reports over 5 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 to ensure that they are consistent with current practices, and if required may endorse the test report.

The test samples were supplied by the client. 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.

This letter may only be distributed in its entirety and in accordance with the terms and conditions of the contract. Test results relate only to the items tested. BRE Global have no responsibility for the design, materials, workmanship or performance of the product or items tested. This report does not constitute an approval, certification or endorsement of the product tested.

This letter is written on behalf of BRE Global. By receiving the letter and action on it, the client accepts that no individual is personally liable in contract, tort or breach of statutory duty (including negligence). No third party has any right to rely on this report.

If you have any queries please do not hesitate to contact us.

Yours sincerely,



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