

Reaction to fire classification report No. 16658C

Owner of the classification report

Pittsburgh Corning Europe (PCE)
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Introduction

This classification report defines the classification assigned to the products **‘FOAMGLAS® W+F, FOAMGLAS® T3, FOAMGLAS® T4+, FOAMGLAS® ONE, FOAMGLAS® S3, FOAMGLAS® F, FOAMGLAS® TAPERED, FOAMGLAS® PT and FOAMGLAS® HLB’** following the Commission Decision of 6 June 2003 (2003/424/EC) establishing the list of products belonging to Class A1 ‘No contribution to fire’ – General note: a material shall not consist of more than 1,0 % by weight or volume of homogeneously distributed organic material. This Commission Decision is referenced in the European Classification Standard EN 13501-1:2007+A1:2009.

The organic content of **“FOAMGLAS®”** has been determined in accordance with the procedures given in the standard EN 13820:2003: Thermal insulating materials for building applications – Determination of organic content.

This classification report consists of 5 pages

1. DETAILS OF CLASSIFIED PRODUCTS

a) Nature and end use application

The products **FOAMGLAS® W+F**, **FOAMGLAS® T3**, **FOAMGLAS® T4+**, **FOAMGLAS® ONE**, **FOAMGLAS® S3**, **FOAMGLAS® F**, **FOAMGLAS® TAPERED**, **FOAMGLAS® PT** and **FOAMGLAS® HLB** are defined as “unfaced cellular glass slabs”.

Their classification is valid for the following end use application(s):

Used as thermal insulation for buildings (according to EN 13167) and thermal insulation for building equipment and industrial installations (according to EN 14305).

b) Description of the tested products

This description is based on information given by the sponsor.

Nominal values	
FOAMGLAS® W+F	
Type of product	The tested product is an unfaced cellular glass slab.
Manufacturer	PCCR-Pittsburgh Corning
Thickness (mm)	100
Density (kg/m ³)	100 ± 10 %
Use of fire retardants	No
Colour	Black
FOAMGLAS® HLB 2400	
Type of product	The tested product is an unfaced cellular glass slab.
Manufacturer	Pittsburgh Corning Europe (PCE)
Thickness (mm)	100
Density (kg/m ³)	200 ± 15 %
Use of fire retardants	No
Colour	Black

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

a) Test reports

Name of the laboratory	Name of the sponsor	Test report ref. No.	Test method
WFRGENT nv Ghent, Belgium	Pittsburgh Corning Europe Tessenderlo, Belgium	16658A,16658B	EN 13820 (September 2003)
WFRGENT nv Ghent, Belgium	Pittsburgh Corning Europe Tessenderlo, Belgium	16658D	EXAP according to CEN/TS 15117 (August 2005)

b) Test results

Test method	Parameter	Number of tests	Results		Criteria for Class A1	
			Continuous parameters Mean	Compliance parameters	Continuous parameters	Compliance parameters

(-) Not applicable.

(1) Based on the results obtained in test report No. 16658B.

	M _{OC} (%)
FOAMGLAS® W+F (100 kg/m ³)	0,05
FOAMGLAS® HLB 2400 (200 kg/m ³)	0,11

Based on the results obtained in test report No. 16658A: Only one single test on each product has been carried out instead of the standard five replicates.

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

a) Reference and direct field of application

This classification has been carried out in accordance with:

- Commission Decision of 6 June 2003 (2003/424/EC) establishing the list of products belonging to Class A1 'No contribution to fire' – General note: a material shall not consist of more than 1,0 % by weight or volume of homogeneously distributed organic material. This Commission Decision is referenced in the European Classification standard EN 13501-1:2007+A1:2009.
- EN 13167:2012
- EN 14305:2009+A1:2013
- EN 15715:2009

b) Classification

The products “**FOAMGLAS® W+F, FOAMGLAS® T3, FOAMGLAS® T4+, FOAMGLAS® ONE, FOAMGLAS® S3, FOAMGLAS® F, FOAMGLAS® TAPERED, FOAMGLAS® PT and FOAMGLAS® HLB**” in relation to their reaction to fire behavior are classified as:

Fire behavior
A1

c) Field of application

This classification is valid for the following product parameters:

- Nominal thickness: All thicknesses
- Nominal density: All densities between or equal to $(100 \pm 10) \text{ kg/m}^3$ and $(200 \pm 30) \text{ kg/m}^3$
- Use of fire retardants: No
- Colour: Black

4. RESTRICTIONS

At the time the standard EN 13501-1:2007+A1:2009 was published, no decision was made concerning the duration of validity of a classification report.

5. WARNING

This classification report does not represent type approval nor certification of the product.

The classification assigned to the product in this report is appropriate to a Declaration of Performance (DoP) of the essential characteristics of the construction product by the manufacturer within the context of a System 1 Assessment and Verification of Constancy of Performance (AVCP).

Under the Construction Products Regulation (CPR: EU 305/2011), such a Declaration of Performance (DoP) is a requirement for affixing the CE marking.

SIGNED

APPROVED

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