

Reaction to fire classification report No. 15845C

Owner of the classification report

ETERNIT nv
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Introduction

This classification report defines the classification assigned to the product '**Tectiva**' in accordance with the procedures given in the standard EN 13501-1+A1: 2009: Fire classification of construction products and building elements - Part 1: classification using data from reaction to fire tests.

This classification report consists of 5 pages

1. DETAILS OF CLASSIFIED PRODUCT

a) Nature and end use application

The product **Tectiva** is defined as a 'fibre cement sheet'.

Its classification is valid for the following end use applications:

'Internal and external wall and ceiling finishes'.

b) Description

Nominal value	
PRODUCT	
Material	The tested product consists of a fibre cement sheet. An inorganic pigmentation was used. More detailed information is known by the laboratory.
Manufacturer	Eternit nv
Thickness	8
Density (kg/m ³)	1580

More details are available in the test reports in support of this classification (§2a).

According to the owner of this classification report, this product complies with the following European product specification: EN 12467 (2012).

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

a) Test reports

Name of the laboratory	Name of the sponsor	Test report Nr.	Test method
WFRGENT nv Ghent, Belgium	ETERNIT nv	15845A 14161B	EN ISO 1716 (February 2002 & June 2010)
WFRGENT nv Ghent, Belgium	ETERNIT nv	15845B	EN 13823 (February 2002)

b) Test results

Test method	Parameter	Number of tests	Results		Criteria for Class A2-s1,d0	
			Continuous parameters Mean	Compliance parameters	Continuous parameters	Compliance parameters
EN ISO 1716	PCS (MJ/kg) (1)	3	1,2	(-)	≤ 3,0	(-)
	PCS (MJ/m ²) (2)		0,3	(-)	≤ 4,0	(-)
	PCS (MJ/kg) (3)		1,2	(-)	≤ 3,0	(-)
<p>1. For homogeneous products and substantial components of non-homogeneous products. Based on the results obtained in test report No. 15845A – base sheet</p> <p>2. For any non-substantial component of non-homogeneous products. Based on the results obtained in test report No. 14161B</p> <p>3. For the product as a whole – Calculations on the basis of: Substantial components = 1,2 MJ/kg x 12,6 kg/m² = 15,2 MJ/m² Sum of all components = 15,5 MJ/m² / total surface mass 12,6 kg/m² Total product = 1,2 MJ/kg</p>						
EN 13823	FIGRA _{0,2 MJ} (W/s)	3	18	(-)	≤ 120	(-)
	LFS _{edge}		(-)	Yes	(-)	Yes
	THR _{600s} (MJ)		0,7	(-)	≤ 7,5	(-)
	SMOGRA (m ² /s ²)		5	(-)	≤ 30	(-)
	TSP _{600s} (m ²)		25	(-)	≤ 50	(-)
	Flaming droplets/particles f<10s		(-)	No	(-)	No
	f>10s		(-)	No	(-)	No

(-) Not applicable

3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

a) Reference and direct field of application

This classification has been carried out in accordance with EN 13501-1+A1: 2009 and EN 12467: 2012.

b) Classification

The product **Tectiva** in relation to its reaction to fire behavior is classified as:

Fire behavior	Smoke production	Flaming droplets
A2	s1	d0

c) Field of application

The classification applies to fibre cement flat sheets of the same mix formulation for the base sheet, same thickness, same density and same facing or coating thickness as used for the test and within a field determined by the normal manufacturing tolerances.

This classification for the product as described in §1b, is valid for the following product parameters and end use conditions:

- Of the same type, but with different dimensions of length and width.
- With a thickness of 8 mm or greater.
- With a different surface (smooth or embossed).
- With a density of 1580 kg/m³, within a range of $\pm 0,15$ g/cm³.
- With vertical and horizontal joints having a width of 3 mm or smaller.
- Fixed with all other types of mechanical devices such as metal (excluding aluminium) nails or rivets.
- Fixed at different (wider or closer) horizontal or vertical fixing centres.
- Fixed to wooden or metallic profiles.
- Without thermal insulation in the cavity or with other types of insulation having a minimum class A2-s₁,d₀ (acc. EN13501-1), a minimum nominal thickness of 50 mm and a minimum nominal density of (70 \pm 20) kg/m³ as long as a ventilated air gap of at least 40 \pm 1 mm directly behind the sheets is present.
- With finishes having a PCS-value equal or smaller then 0,3 MJ/m²

4. RESTRICTIONS

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

5. LIMITATIONS



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

The following statement is included in accordance with Fire Sector Group Recommendation 001rev2:

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of a system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the product's design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

Report	Name	Signature (*)	Date
Prepared by	I. LAMMERTYN		17 DEC. 2012
Reviewed by	ir. K. CATRY		17 DEC. 2012

(*) For and on behalf of "WFRGENT nv"

EN 13501-1 A2 WG 2E*

The present report is based on Classification Report No. 14320B dated 12/08/2010. It has been drafted in accordance with the regulations of "EN ISO/IEC 17025: 2005/AC: 2006 "Application Note : clause 5.10 [5.10/4] – Issue 01 - 2008/04/16 – amendment of test reports : clients changing product / company names (I) – for commercial reasons". The product Tectiva has not been retested. Present test report does not contain any technical modifications to the original test report.

Both the original and the new denomination of the product and of the company entrusted with marketing the product will be documented and entered in the laboratory's archives. This report may be used only literally and completely for publications. - For publications of certain texts, in which this report is mentioned, our permission must be obtained in advance.