

Classification Report

Report no. ETE 026/19Date: 13/02/2019

Classification of reaction to fire of construction products and building elements (EN 13501-1:2007+A1:2009)

Request by:

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Data of the product:

Description of the product: Acoustic panels LEA (Lightweight Ecological Absorbent) made from 100% polyester fibres where 65% are recycled from fibres coming from PET-bottlesSampling responsibility (*): Customer

Classification Report:

Issue number: ETE026/19Date of issue: 13/02/2019

This classification report consists of four pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to Acoustic panels LEA (Lightweight Ecological Absorbent) made from 100% polyester fibres where 65% are recycled from fibres coming from PET-bottles in accordance with the procedures given in EN 13501-1:2007+A1:2009 «Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests».

2. Details of classified product

2.1 General

The product, LEA (Lightweight Ecological Absorbent) , is defined as a Acoustic Panel made from 100% polyester fibres where 65% are recycled fibres coming from PET-bottles.

Notes: The results presented refer exclusively to the tested specimens.

Data reported with (*) supplied by customer.

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2.2 Product description

The product, LEA (Lightweight Ecological Absorbent) , is generically described below. The product is fully described in the test reports provided in support of classification listed in Clause 3.1.

Product description:

Manufacturer (*): NEEC AUDIO BARCELONA, S.L
 Customer Reference (*): LEA - Lightweight Ecological Absorbent
 Nominal Thickness: 20 +/- 3 mm
 Density: 80 kg/m³
 Weight / unit area: 1600 g/m²

3. Reports and results in support of this classification

3.1 Test Reports

Name of Laboratory	Name of sponsor	Test Report ref. no	Test method and date
Itecons	ECLER ACOUSTICS - NEEC AUDIO BARCELONA, S.L	OMC021/18	EN 13823:2010+A1:2014 13/04/2018
Itecons		OMC020/18	ISO 11925-2:2010 e ISO 11925- 2:2010/Cor1:2011 12/04/2018

3.2 Test Results

Test method and test number	Parameter	No. Tests	Results	
			Continuous parameter (mean)	Compliance with parameters
EN 13823:2010+A1:2014	FIGRA (W/s)	3	96.8	Compliant with FIGRA ≤ 120 W/s
	LFS		< edge of specimen	Compliant
	THR 600s (MJ)		3.5	Compliant with THR 600s ≤ 7,5 MJ
	SMOGRA (m ² /s ²)		29.1	Compliant with SMOGRA ≤ 30 m ² /s ²
	TSP 600s (m ²)		115.3	Compliant with TSP 600s ≤ 200 m ²
	flaming droplets/particles		No	Compliant
ISO 11925-2:2010 e ISO 11925- 2:2010/Cor1:2011 Exposure = 30s	Fs (mm)	12	< 150	Compliant with Fs ≤ 150 mm, 60 s
	flaming droplets/particles		No	Compliant
	ignition of the paper		No	Compliant

ETE026/19

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4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2007+A1:2009, September of 2009.

4.2 Classification

The product, LEA (Lightweight Ecological Absorbent) , in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for products excluding floorings and linear pipe thermal insulation products is:

		Smoke Production			Flaming Droplets	
B	-	s	2	,	d	0

i.e., **B - s2, d0**

Reaction to fire classification: *B - s2, d0*

4.3 Field of application

This classification is valid for the product Acoustic Panel made from 100% polyester fibres where 65% are recycled fibres coming from PET-bottles, with ref. LEA - Lightweight Ecological Absorbent, manufactured by NEEC AUDIO BARCELONA, S.L, for the following parameters:

Nominal Thickness: 20 +/- 3 mm (no variation in thickness allowed)

Density: 80 kg/m³ (no variation in density allowed)

Weight / unit area: 1600 g/m² (no variation in weight/unit area allowed)

Substrate: NEV Panel (12mm)

The classification applies only to the product produced with the same type of raw materials and in the same proportions and is valid for the following end use application:

- i) Acoustic Panel made from 100% polyester fibres where 65% are recycled fibres coming from PET-bottles used over NEV Panel (12mm), by wall rail.

ETE026/19

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5. Limitations

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

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of 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 Itecons 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 claimed to be relevant to the samples tested and that will provide for their traceability.

Report Author

Technical responsibility

Administration

XAUT

XSTC

XDIR

ETE026/19

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