

Title:

CLASSIFICATION OF REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1: 2018.

Product Name:

"Aerobrik"

Report No:

WF 522296

Issue No:

1

Prepared for:

Tiles International Ltd

Westview House
Devro Campus
Gartferry Road
Moodiesburn
Glasgow
G69 0JE

Date:

6th February 2023

1. Introduction

This classification report defines the classification assigned to “Aerobrik”, a natural clay brickslip product, in line with the procedures given in EN 13501-1: 2018.

2. Details of classified product

2.1 General

The product, “Aerobrik”, is defined as being suitable for construction applications, excluding linear pipe thermal insulation applications.

2.2 Product description

The product, “Aerobrik”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

Item	Detail
General description	Natural clay brickslip
Product reference	“Aerobrik”
Name of manufacturer	T.I.Dynamic Facades
Detailed composition	Clay with minerals
Thickness	21-34mm
Density	2.21g/cm ³ (determined by Warringtonfire)
Colour	Red
Colour reference	“Standard Red Finish 1”
Flame retardant details	See Note 1 below
Brief description of manufacturing process	Extruded clay fired by a tunnel kiln with more than 1060°C (depending on clay colour).

Note 1: The sponsor was unwilling to provide this information.

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test report Nos.	Test method & date
Warringtonfire	Tiles International Ltd	518179 (Issue 2)	EN ISO 1182:2020
Warringtonfire	Tiles International Ltd	517760 (Issue 2)	EN ISO 1716:2018

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - Max/Mean (m)	Compliance parameters
EN ISO 1716	For the product as a whole – PCS (a/e)	3	0.3 MJ/kg	-
EN ISO 1182	Furnace thermocouple temperature rise	5	1 °C	-
	Duration of sustained flaming (seconds)		None	-
	Mass Loss (%)		0 %	-

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clauses 8 & 9 of EN 13501-1: 2018.

4.2 Classification

The product, "Aerobrik" a natural clay brickslip product, in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: A1/A1_{fl}

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications

This classification is also valid for the following product parameters:

Product thickness	Any
Product density	No variation allowed
Product colour	Red
Product composition	No variation allowed
Product construction	No variation allowed

5. Limitations

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

SIGNED



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Claire Lawrence

Product Assessor
Technical Department

APPROVED



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Stacey Deeming

Principal Product Assessor
Technical Department
on behalf of [Warringtonfire](#)

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