warringtonfire
Proud to be part of element

Warringtonfire
Holmesfield Road
Warrington
WA1 2DS

T: +44 (0)1925 655 116
info.warrington@warringtonfire.com
warringtonfire.com

Title:

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

Product Name:

"1013 & 5001"

Report No:

WF 434941

Issue No:

1

Prepared for:

ApplicArt Ltd,
Unit 10 Hulme Court,
Commercial Road,
Darwen,
Lancashire,
BB3 0FE

Date:

5th March 2021

1. Introduction

This classification report defines the classification assigned to "1013 & 5001", a decorative wall coating applied to a plasterboard substrate, in line with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

The product, "1013 & 5001", a decorative wall coating applied to a plasterboard substrate, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, "1013 & 5001", is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Decorative wall coating applied to a plasterboard substrate
Product reference of composite		"1013 & 5001"
Name of manufacturer of composite		ApplicArt & IMPEX COLOR
Overall thickness of composite		15mm
Weight per unit area of composite		11.2kg/m^2
Overall thickness of coatings		2-3mm
Weight per unit area of coatings		1.2kg/m^2
Venetian polished plaster	Product reference	"ApplicArt Part Number 100002"
	Generic type	Venetian Polished Plaster
	Name of manufacturer	IMPEX
	Colour reference	"ACL ref 080 and 081"
	Number of coats	Three
	Specific gravity	1.7-1,75
	Application rate per coat	0.70kg/m^2
	Application thickness per coat	0.75mm
	Application method	Artisan hand trowelled
	Curing process	+8 to +35°C up to 4 weeks to fully hardened
	Flame retardant details	**See Note 1 below**

Continued on next page

Primer	Product reference	"ApplicArt part No 1000135"
	Generic type	Wallbase primer
	Name of manufacturer	IMPEX COLOUR
	Colour	"White"
	Number of coats	One
	Specific gravity	1.5-1.55
	Application rate	0.2kg/m^2
	Application thickness	0.25mm
	Application method	Roller
	Curing process	Air Dry – Touch 1 hour Hard 6 hours
	Flame retardant details	**See Note 2 below**
Substrate	Product reference	"Wallboard"
	Generic type	Gypsum board
	Name of manufacturer	British Gypsum
	Thickness	12.5mm
	Weight per unit area	8.5kg/m^2
	Density	700kg/m^3
	Flame retardant details	**See Note 2 below**
Brief description of manufacturing process		The substrate is primed; lime and slaked lime are mixed with water, marble dust additives and other minerals. The limestone is turned into "lime putty" applied to the wall and hardens to form the venetian polished plaster

Note 1: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

Note 2: The sponsor was unable to provide this information.

3. Test reports & test results in support of classification.

3.1 Test reports.

Name of Laboratory	Name of sponsor	Test reports Nos.	Test method
Warringtonfire	ApplicArt Ltd	WF 434928 (Issue 2)	BS EN 13823:2020
Warringtonfire	ApplicArt Ltd	WF 432525 (Issue 2) WF 435197	EN ISO 1716:2018
Warringtonfire	ApplicArt Ltd	WF 435909 (Issue 2)	EN ISO 1716:2018 Composite Report

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - Max/Mean (m)	Compliance parameters
BS EN 13823	FIGRA $_{0.2MJ}$	3	0 W/s	-
	FIGRA $_{0.4MJ}$		0 W/S	-
	THR $_{600s}$		0.8 MJ	-
	SMOGRA		0 m^2s^2	-
	TSP_{600s}		10 m^2	-
	Lateral Flame Spread to End of Specimen?		-	Compliant
	Fall of Flaming Drop/Particle?		-	Compliant
	Flaming of Fallen Particle Exceeding 10s?		-	Compliant
EN ISO 1716	Plaster - PCS (a)	3	0.0 MJ/kg	-
	Primer - PCS (b)		1.1 MJ/m^2	-
	For the product as a whole – PCS (e)	N/a	0.5 MJ/kg	-

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1.

4.2 Classification

The product, "1013 & 5001", a decorative wall coating applied to a plasterboard substrate, in relation to its reaction to fire behaviour is classified:

A2

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
A2	-	s	1	,	d	0

i.e. A2 – s1 , d0

Reaction to fire classification: A2 - s1, d0

4.3 Field of application

This classification is valid for the following end use applications:

i) Construction applications applied over any substrate with a minimum density of 600kg/m^3, having a minimum thickness of 12mm and a fire performance of A2-s1,d0 or better

ii) Air gap details – No air gap between primer and substrate allowed

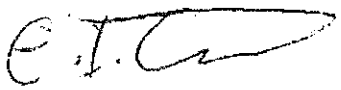
This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product density	No variation allowed
Product colour	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed
Coating application rate	No variation allowed
Air gap details	No air gap allowed

5. Limitations

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

SIGNED



.....

Euan Gardner
Certification Engineer
Technical Department

APPROVED

.....

Matthew Dale
Principal Certification Engineer
Technical Department
On behalf of **Warringtonfire**