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Testing. Advising. Assuring.

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1:2007+A1: 2009.

Notified Body No:

0833

Product Name:

"XPRESS"

Report No:

WF 401539

Issue No:

1

Prepared for:

Foamalite Limited
Loch Gowna
Co. Cavan
Ireland

Date:

9th July 2018



1. Introduction

This classification report defines the classification assigned to "XPRESS", a family of PVC foamed sheet products, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The products, "XPRESS", a family of PVC foamed sheet products, are defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The products, "XPRESS", a family of PVC foamed sheet products, are fully described below and in the test reports provided in support of classification listed in Clause 3.1.

Generic type	PVC Foamed Sheet
Product reference	"XPRESS"
Name of manufacturer	Foamalite Ltd
Thickness	2mm to 10mm (stated by sponsor)
Density	0.40g/m ³ to 0.60 g/m ³ (stated by sponsor)
Colour reference	White
Trade name of flame retardant	The sponsor provided this information and it is held on the Exova Warringtonfire confidential file relating to this investigation.
Generic type of flame retardant	
Amount of flame retardant	
Mounting and fixing details	The specimen was tested mechanically fixed with the maximum depth airgap of 80mm between the reverse face and the calcium silicate backing board (as specified in EN 13238: 2010)

3. Test reports/extended application reports & test results in support of classification

3.1 Test reports/extended application reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
CSI	Foamalite Limited	0442/DC/REA/13_8 0442/DC/REA/13_9	EN ISO 11925-2
CSI	Foamalite Limited	0442/DC/REA/13_6 0442/DC/REA/13_7	EN 13823
Exova warringtonfire	Foamalite Limited	WF 401538	EN/TS 15117

3.2 Test results

Test method & test number		Parameter	No. tests	Results	
				Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2	30s exposure - surface	F_s	6 - 0442/DC/REA/13_8	<150	Compliant
		Flaming droplets/ particles		None	Compliant
	30s exposure - edge	F_s	6 - 0442/DC/REA/13_8	<150	Compliant
		Flaming droplets/ particles		None	Compliant
	30s exposure - surface	F_s	6 - 0442/DC/REA/13_9	<150	Compliant
		Flaming droplets/ particles		None	Compliant
30s exposure - edge	F_s	6 - 0442/DC/REA/13_9	<150	Compliant	
	Flaming droplets/ particles		None	Compliant	
EN 13823	FIGRA _{0.2MJ}		3 - 0442/DC/REA/13_6	25.9	Compliant
			3 - 0442/DC/REA/13_7	196.7	
	FIGRA _{0.4MJ}		3 - 0442/DC/REA/13_6	21.8	Compliant
			3 - 0442/DC/REA/13_7	187.4	
	THR _{600s}		3 - 0442/DC/REA/13_6	1.6	Compliant
			3 - 0442/DC/REA/13_7	6.7	
	LFS		3 - 0442/DC/REA/13_6	None	Compliant
			3 - 0442/DC/REA/13_7	None	
	SMOGRA		3 - 0442/DC/REA/13_6	22.8	Compliant
			3 - 0442/DC/REA/13_7	187.2	
	TSP _{600s}		3 - 0442/DC/REA/13_6	94.1	Compliant
			3 - 0442/DC/REA/13_7	473.7	

In no instances were there flaming droplets produced during the tests.

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007+A1:2009.

4.2 Classification

The products, "XPRESS", a family of PVC foamed sheet products, in relation to their reaction to fire behaviour are classified:

C

The additional classification in relation to smoke production is:

s3

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	
C	-	s	3	,	d	0

i.e. C – s3 , d0

Reaction to fire classification: C – s3, d0

4.6 Extended Field of application

This classification is valid for the following end use applications:

- i) Free standing construction applications
- ii) Construction applications mechanically installed without the presence of a substrate with an air gap.

This classification is also valid for the following product parameters:

Product thickness	2mm to 10mm
Product weight per unit area	No variation allowed
Product colour/pattern	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

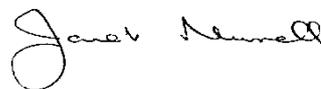
SIGNED



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APPROVED



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