

Exova Warringtonfire
Holmesfield Road
Warrington
WA1 2DS
United Kingdom

T : +44 (0) 1925 655 116
F : +44 (0) 1925 655 419
E : warrington@exova.com
W: www.exova.com



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:

"Meganite Acrylic Solid
Surface"

Report No:

WF 343600

Issue No:

1

Prepared for:

Meganite Solid Surface
1461 South Balboa Avenue
Ontario
California 91761
United States of America

Date:

1st October 2014



1. Introduction

This classification report defines the classification assigned to "Meganite Acrylic Solid Surface" an acrylic solid surface sheet, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, "Meganite Acrylic Solid Surface" an acrylic solid surface sheet, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, "Meganite Acrylic Solid Surface" an acrylic solid surface sheet, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description	Acrylic solid surface sheet
Generic type	Acrylic
Product reference	"Meganite Acrylic Solid Surface"
Name of manufacturer	Meganite Inc.
Thickness	12 mm (stated by sponsor) 12mm (determined by Exova Warringtonfire)
Weight per unit area	22.66kg/m ² (determined by Exova Warringtonfire)
Colour reference	"White"
Trade name of flame retardant	"Aluminum Trihydrate"
Generic type of flame retardant	Aluminum Trihydrate
Amount of flame retardant	See note 1 below
Mounting and fixing details	A 40mm ventilated cavity was situated between the reverse face of the specimens and the particleboard substrate (as specified in EN 13238: 2010)
Brief description of manufacturing process	Solid surface is made by mixing acrylic resin and aluminium trihydrate together. Then this goes through a curing process to solidify.

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 reports/extended application report Nos.	Test method / extended application rules & date
Exova warringtonfire	Meganite Solid Surface	WF 343186	EN ISO 11925-2
Exova warringtonfire	Meganite Solid Surface	WF 344069	EN 13823

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	Nil	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	Nil	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	54.81	Compliant
	FIGRA _{0.4MJ}		54.81	Compliant
	THR _{600s}		4.39	Compliant
	LFS		None	Compliant
	SMOGRA		0.68	Compliant
	TSP _{600s}		11.86	Compliant

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 product, "Meganite Acrylic Solid Surface" an acrylic solid surface sheet, in relation to its reaction to fire behaviour is classified:

B

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	
B	-	s	1	,	d	0

i.e. **B – s1 , d0**

Reaction to fire classification: B – s1 , d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications used over any substrate with a density equal to or greater than 870kg/m^3 , having a minimum thickness of 12mm and a fire performance of A2 or better (excluding paper faced gypsum plasterboard).
- ii) Construction applications with a minimum airspace of 40mm.

This classification is also valid for the following product parameters:



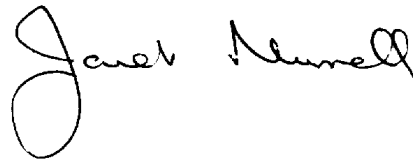
Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product colour/pattern	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

SIGNED



.....
Matthew Dale
Certification Engineer
Technical Department

APPROVED



.....
Janet Murrell
Technical Manager
Technical Department
on behalf of **Exova warringtonfire**

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