



מכון התקנים הישראלי

המעבדה לחומרי בניין

תעודת סיווג מס' 9811906371
בהתאם לסעיף 12 לחוק התקנים תשי"ג - 1953

פרטי ההזמנה

שם המזמין : יהודה יצוא ויבוא בע"מ

מענו : פרופסור שור 59 חולון 0058811

תאריך ההזמנה : 02/05/2018

תאור המוצר

אריחי תקרה אקוסטית מינראלית עם ציפוי בד המכונים ע"י המזמין : אריחי תקרה אקוסטית ממשפחת SCRIM FACED WET FELT CEILING TILES תוצרת ARMSTRONG, אנגליה.

פרטי הנטילה

הדוגמה ניטלה בתאריך : 14/02/2018

הדוגמה נבחרה ע"י בא כוח : המזמין

מקום הנטילה : אין מידע

מהות הבדיקה

סיווג המוצר בשרפה לפי תקן ישראלי ת"י 755 " סיווג בשרפה של מוצרי בנייה ואלמנטי בניין – שיטות בדיקה וסיווג לפי תוצאות הבדיקה " (יולי 2013) זהה לתקן אירופי EN 13501-1:2007.

תוצאות הבדיקה במסמך זה
מתייחסות רק לפריט שנבדק

מסמך זה מכיל דף אחד ואין
להשתמש בו אלא במלואו

סיכום

על בסיס תעודת סיווג מס' 161716 מתאריך 12/05/2014 של מעבדה EXOVA WARRINGTONFIRE (אנגליה) המצורפת בזאת, אריחי תקרה אקוסטית ממשפחת SCRIM FACED WET FELT CEILING TILES תוצרת ARMSTRONG (אנגליה) כמפורט בתיאור המוצר סווגו לפי תגובתן בשרפה A2-s1, d0.

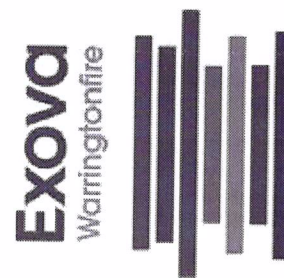
(פרטים ראה בגוף התעודה)

שם החותם : דר/רכרזו גורה
תפקידו : ראש ענף בטיחות אש

תאריך : 02/05/2018

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:

Scrim Faced Wet Felt Ceiling
Tile

Report No:

161716

Issue No:

10

Prepared for:

Armstrong World Industries
Limited, 38 Market Square,
Uxbridge, Middlesex,
UB8 1NG

Date:

12th May 2014

1. Introduction

This classification report defines the classification assigned to 'Scrim Faced Wet Felt Ceiling Tile', in accordance with the procedures given in EN 13501-1:2007 + A1:2009

2. Details of classified product

2.1 General

The product, 'Scrim Faced Wet Felt Ceiling Tile', is defined as being suitable for wall or ceiling applications.

2.2 Product description

The product, 'Scrim Faced Wet Felt Ceiling Tile', is fully described briefly below and fully in the test reports provided in support of classification listed in Clause 3.1.

Product description:

General Description		Scrim Faced Wet Felt Ceiling Tile
Product reference		See Annex 1
Overall thickness of ceiling tile		12 – 40 mm
Coating 1 (Test face)	- Generic type	A water based finish coating
	- Application rate per coat	Note 1
Coating 2	- Generic type	A water based primer coat
	- Application rate per coat	Note 1
Facing	Generic Type	Glass fibre scrim
	Weight per unit area	70-135 g/m ²
Adhesive	Generic type	A PVA based adhesive or a Vinyl Acetate Ethylene Copolymer adhesive
	Application rate	Note 1
Core	- Generic type	Wet felt
	- Number of tiles in thickness	One or two
	- Density	Between 145 and 450 kg/m ³
Adhesive 2 (for bonding two core tiles)	- Generic type	Water based PVA adhesive
	- Application rate	Note 1
Coating 1 (Reverse Face)	- Generic type	A water based back coating
	- Number of coats	One or two
	- Application rate per coat	Note 1

Note 1 Full details of the composition of each of the products together with details of their manufacture are held on technical file at Exova Warringtonfire.

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
warringtonfire	Armstrong World Industries	WF 140210, 147776, 159088, 303933, 303933, 336097, 336173,	EN 13823 (Decorative face)
MPA BAU Hannover	Armstrong Building Products	Prubericht Nr 084207, 084205.1, 071667.3, 062292.1, 100916.1, 140261, 140249,	EN 13823 (Decorative face)
MPA BAU Hannover	Armstrong Building Products	Prubericht Nr 062309.1, 071667.3, 062292.1	EN 13823 (Reverse Face and over mineral wool)
TAL	Armstrong Building Products	789087-789089, 658218	EN 13823 (Decorative face)
MPA NRW	Armstrong Building Products	230007453-2	EN ISO 1716
warringtonfire	Armstrong World Industries	WF 146011,146012, 171342	EN ISO 1716

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter	Compliance parameters
EN 13823 (Face)	FIGRA _{0.2MJ}	3, 3, 3, 1,1,1	42.19 – 117.8	Compliant
	THR _{600s}		1.6 – 2.8	Compliant
	LSF		No	Compliant
	SMOGR		0 – 16.2	Compliant
	TSP _{600s}		28.9 - 48.76	Compliant
EN 13823 (Reverse)	FIGRA _{0.2MJ}	1	26	Compliant
	THR _{600s}		1.42	Compliant
	LSF		No	Compliant
	SMOGR		0	Compliant

	TSP _{600s}		43.5	Compliant
EN ISO 1716	PCS ≤ 2.0 MJ/kg (1) PCS ≤ 2.0 MJ/kg (2) PCS ≤ 1.4 MJ/m ² (3) PCS ≤ 2.0 MJ/kg (4)			
	Total	3	2.40MJ/kg	Y
	Paint Face	3	0.29 MJ/m ²	Y
	Primer	3	0 MJ/m ²	Y
	Adhesive	3	0.58 MJ/m ²	Y
	Scrim	3	0.66 MJ/m ²	Y
	Core	3	2.36 MJ/kg	Y
	Reverse Face	3	0 MJ/m ²	Y

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 10 of EN 13501-1:2007 + A1:2009. The classification of both the face and reverse sides of the product has been determined.

4.2 Classification – Decorative Face

The decorative face of the product, 'Scrim Faced Wet Felt Ceiling Tile', in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: A2-s1,d0

4.3 Classification – Reverse Face

The reverse face of the product, 'Scrim Faced Wet Felt Ceiling Tile', in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: A2-s1,d0

4.3 Field of application

This classification is valid for the following end use applications:

- i) Wall or Ceiling Applications, mounted with or without an air gap on to any substrate with a density equal to or greater than 680kg/m³, with a minimum thickness of 12mm and a fire performance of D or better.

- ii) Wall or Ceiling Applications, mounted with or without an air gap on to any substrate with a density equal to or greater than 50kg/m^3 , with a minimum thickness of 20mm and a fire performance of A2 or better.
- iii) Mounted in Armstrong Grid or any other equivalent A1 classified system

This classification is also valid for the following product parameters:

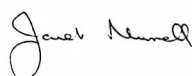
Overall thickness	12 and 40 mm
Density	Between 145 and 450 +/- 50kg/m^3
Edge Detail	Any edge detail, including Tegular, Microlook and Vector where the edges are only partially covered.
Colour	White or any pastel colour

SIGNED



.....
Matthew Dale
Certification Engineer

APPROVED



.....
Janet Murrell
Technical Manager
For and on behalf of:
Exova Warringtonfire

Issue 10: Date: 12th May 2014

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ANNEX 1

The following list of products are those in the Armstrong World Industries range which comply with the description of product for which this classification applies:

Alpina
Alpina OP
Bioguard Acoustic
Perla
Perla dB
Perla OP dB
Perla OP
Perla OP 0.9
Perla OP 0.95
Perla OP 1.0
Sierra
Sierra OP
Sierra OP 15mm
Sierra OP 17mm
Ultima
Ultima dB
Ultima OP
Ultima Vector
Ultima⁺
Ultima⁺ dB
Ultima⁺ OP