

**LNE****This official report cancels and replaces the official report  
referenced as P157189-7**

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LABORATOIRE DE TRAPPES  
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Tél. : 01 30 69 10 00 - Fax : 01 30 69 12 34**CLASSIFICATION REPORT**(free translation of French test report N° P157189 - DE/6)  
established according to the article 5 of the Department State Order dated on 21 November 2002.**VALIDITY 5 YEARS FROM 06 July 2016****N° P157189 - DE/11**

And appendix of 5 pages

**Material submitted by :** GUARTO Srl  
Strada Leini, 50  
10072 CASELLE TORINESE (TO)  
ITALIE

**Commercial trademark :** GUARTOFON® REFLAMEX®

**Brief description :**  
**Global composition :** EVA (24837-78-8), EPDM (25038-36-2), barium sulfate (7727-43-7),  
alumina hydrate (21645-51-2), liquid paraffin (64741-88-4)

**End-use :** Acoustic isolation  
**Mass :** From 2182 ± 10% to 9797 ± 10% g/m<sup>2</sup>  
**Thickness :** From 1 to 5 mm  
**Colour :** Greyish white

**Test report :** N° P157189 - DE/11 dated on 29 July 2016

**Type of tests :** Electric burner test NF P 92-503 (December 1995), flame spread  
test NF P 92-504 (December 1995).  
Determining classification NF P92-507 (February 2004).

**Classification :****M1****Durability of classification (NF P 92-512 : 1986) : APPARENTLY NOT LIMITED**

In view of criteria resulting from the tests described in the appended Test Report N° P157189 - DE/11

The indicated classification prejudices in no way the conformity of the materials commercialized to the samples submitted to the tests and can in no way be considered as a certificate of qualification. This is not a product certification according to the L115-27 article of the consumption code and to the law dated on 3<sup>rd</sup> June 1994.Note: It is only allowed to reproduce this unique page as an integral photocopy or the whole classification report and the annexes that contains 5 pages.

Trappes, 29 July 2016

The Head of Fire Behaviour and  
Fire Safety Department

Maxime MAJ

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## TEST REPORT

(free translation of French test report N° P157189 – DE/6)  
Established according to the article 5 of the department State Order dated on 21 november 2002.

**VALIDITY 5 YEARS FROM 06 July 2016**

**N° P157189 - DE/11**

### 1. PURPOSE OF TEST

The purpose of tests to which this report relates is to determine the classification of materials, in accordance with the stipulations in the order from the Ministère de l'Intérieur, dated on 21 November 2002 relating to their reaction to fire.

### 2. SAMPLES SUBMITTED

Test requested by	:	GUARTO Srl
Date and reference of order	:	Good agreement on quotation N° 2016/8915 dated on 13/05/2016 and 2016/11313 dated on 20/06/2016
Producer	:	GUARTO Srl
Trademark (commercial reference)	:	GUARTOFON® REFLAMEX®
Global Composition	:	EVA (24837-78-8), EPDM (25038-36-2), barium sulfate (7727-43-7), alumina hydrate (21645-51-2), liquid paraffin (64741-88-4)
Characteristics attested by sponsor	:	
Mass	:	(2.1 ± 0.1 ) g/m <sup>2</sup>
Thickness	:	(1, 3 et 5 ± 10% )
Color	:	Ivory white
Caractéristiques déterminées by LNE	:	
Masse	:	(2182, 6405 et 9797 ± 10 %) g/m <sup>2</sup>
Thickness	:	(1.076, 3.300 et 4.915 ± 10 %) mm
Color	:	Greyish white

**Report to be followed on next page**

### 3. TEST CONDITIONS

Receipt of samples : 27/05/2016

Samples conditioning prior to tests :

Samples are conditioned prior to the test into a  $(23 \pm 2)$  °C and  $(50 \pm 5)$  % relative humidity atmosphere, during seven days or until mass stabilization (case of humid or high thickness materials).

Mass is considered stabilized when two successive weighings, spaced out by 24 h, don't alter by more than 0,1 % or 0,1 g (the highest mass value is taken).

Test performed on : 10/06/2016, 16/06/2016 et 30/06/2016

### 4. RESULTS

#### 4.1. ELECTRIC BURNER TEST

	Sample 1	Sample 2	Sample 3	Sample 4
Orientation	Manufacture 0	Across 0	Manufacture 0	Across 0
Color	greyish w hite 1 mm	greyish w hite 1 mm	greyish w hite 1 mm	greyish w hite 1 mm
Piercing	Yes	No	No	No
Duration of flaming after pilot flame removal(s)	- - - -	- - - -	- - - -	- - - -
Spread of glow ing dots beyond the char area	-	-	-	-
Fall of flaming droplets or debris	No	No	No	No
Melting behavior, fall of non- flaming molten drips	No	No	No	No
Destroyed or burned lenght (mm)	125	130	115	120

	Sample 5	Sample 6	Sample 7	Sample 8	
Orientation	Manufacture	Across	Manufacture	Across	
Color	greyish w hite 5mm	greyish w hite 5mm	greyish w hite 5mm	greyish w hite 5mm	
Piercing	No	No	No	No	
Duration of flaming after pilot flame removal(s)	- - - -	- - - -	- - - -	- - - -	
Spread of glow ing dotsbeyond the char area	-	-	-	-	
Fall of flaming droplets or debris	No	No	No	No	
Melting behavior, fall of non- flaming molten drips	No	No	No	No	
Destroyed or burned lenght (mm)	110	115	110	110	Average lenght 117

	Sample 9	Sample 10	
Orientation	Manufacture	Across	
Color	greyish w hite 3mm	greyish w hite 3mm	
Piercing	No	No	
Duration of flaming after pilot flame removal(s)	- - - -	- - - -	
Spread of glow ing dots beyond the char area	-	-	
Fall of flaming droplets or debris	No	No	
Melting behavior, fall of non- flaming molten drips	No	No	
Destroyed or burned lenght (mm)	120	110	Average lenght 117

Ignition duration $\leq$ 5s	Yes
Average Lenght < 350 mm	Yes
Inflamed falling drippings	No

**Report to be followed on next page**

4.2. FLAME SPREAD TEST

	Sample 1	Sample 2	Sample 3	Sample 4
Color	greyish w hite 1mm	greyish w hite 1mm	greyish w hite 1mm	greyish w hite 1mm
Duration of flaming after ISO 6940 burner removal	No	No	No	No
Material's maximum duration of flaming inferior or equal to 2s	Yes			
Material's maximum duration of flaming inferior or equal to 5s	Yes			
Fall of not flaming molten drips	No	No	No	No
Fall of flaming molten drips	No	No	No	No

	Sample 5	Sample 6	Sample 7	Sample 8
Color	greyish w hite 5mm	greyish w hite 5mm	greyish w hite 5mm	greyish w hite 5mm
Duration of flaming after ISO 6940 burner removal	No	No	No	No
Material's maximum duration of flaming inferior or equal to 2s	Yes			
Material's maximum duration of flaming inferior or equal to 5s	Yes			
Fall of not flaming molten drips	No	No	No	No
Fall of flaming molten drips	No	No	No	No

	Sample 9	Sample 10
Color	Greyish w hite 3 mm	Greyish w hite 3 mm
Duration of flaming after ISO 6940 burner removal	No	No
Material's maximum duration of flaming inferior or equal to 2s	Yes	
Material's maximum duration of flaming inferior or equal to 5s	Yes	
Fall of not flaming molten drips	No	No
Fall of flaming molten drips	No	No

5. OBSERVATIONS ABOUT TESTS

None.

**6. CONCLUSION AND CLASSIFICATION**

In view of the results, the material with the characteristics described in the first page of this test report has the classification

**M1**

To state the classification, the uncertainty associated with the result has not been explicitly taken into account.

**7. CLASSIFICATION DURABILITY**

APPARENTLY NOT LIMITED

Trappes, 29 July 2016



The Head of Fire Behaviour and  
Fire Safety Department

A handwritten signature in blue ink, consisting of a series of loops and a long horizontal stroke.

Maxime MAJ

The results, which are quoted, are only applicable to the sample, the product or material submitted to LNE and which is fully described in this document.