

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:**

"Sarlibase TE"

**Report No:**

319862

**Issue No:**

1

**Prepared for:**

Forbo Reims  
63 rue Gosset  
BP 2717  
51055 Reims Cedex  
France

**Date:**

27<sup>th</sup> July 2011

## 1. Introduction

This classification report defines the classification assigned to "Sarlibase TE", a compact PVC underlayer, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

## 2. Details of classified product

### 2.1 General

The product, "Sarlibase TE", a compact PVC underlayer, is defined as being suitable for flooring applications.

### 2.2 Product description

The product, "Sarlibase TE", a compact PVC underlayer, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Compact PVC underlayer tested loose laid over a particleboard substrate
Floor Covering	Product reference	"Sarlibase TE"
	Generic type	Compact PVC underlayer
	Detailed description	PVC aeration dots + PVC reinforced layer
	Name of manufacturer	Forbo
	Thickness	1.5mm (stated by sponsor) 1.63mm (determined by <b>Exova Warringtonfire</b> )
	Weight per unit area	1.30kg/m <sup>2</sup> (stated by sponsor) 1.29kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )
	Flame retardant details	<b>See Note 1 Below</b>
Substrate	Trade name	"Particle Board"
	Generic type	Particle Board
	Name of supplier	SA Joinery
	Thickness	18mm
	Density	600kg/m <sup>3</sup>
Brief description of manufacturing process of the floor covering		<b>See Note 2 Below</b>

**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 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	Forbo Reims	WF 319722	EN ISO 9239-1

#### 3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance with parameters
EN ISO 9239-1	Critical flux	3	6.8	Compliant
	Smoke		126.87	Compliant
EN ISO 11925-2	Flame spread (mm)	*	*	Compliant

\* The product properties fall with the range defined in Commission Decision 2005/610/EC establishing the classes of reaction-to-fire performance for certain construction products. The product can therefore be assumed to meet the relevant requirement without the need for testing.

### 4. Classification and field of application

#### 4.1 Reference of classification

This classification has been carried out in accordance with clause 12 of EN 13501-1:2007+A1:2009.

#### 4.2 Classification

The product, "Sarlibase TE", a compact PVC underlayer, in relation to its reaction to fire behaviour is classified:

**CFL**

The additional classification in relation to smoke production is:

**s1**

The format of the reaction to fire classification for floorings is:

Fire Behaviour		Smoke Production	
C <sub>FL</sub>	-	s	1

i.e. C<sub>FL</sub> – s1

**Reaction to fire classification: C<sub>FL</sub> – s1**

**4.3 Field of application**

This classification is valid for the following end use applications:

- i) Flooring applications applied over any substrate with a minimum density of 1800kg/m<sup>3</sup>, having a minimum thickness of 6mm and a fire performance of A2<sub>FL</sub> or better.
- ii) Installed with or without adhesive

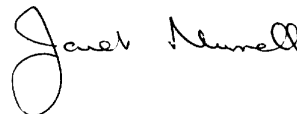
This classification is also valid for the following product parameters:

Floorcovering thickness	No variation allowed
Floorcovering weight per unit area	No variation allowed
Floorcovering composition	No variation allowed
Floorcovering construction	No variation allowed
Colour/Pattern	Any variation allowed

**SIGNED**



**APPROVED**



.....  
**Matthew Dale**  
Certification Engineer

.....  
**Janet Murrell**  
Technical Manager  
For and on behalf of:

This copy has been produced from a .pdf format electronic file that has been provided by Exova Warringtonfire to the sponsor of the report and must only be reproduced in full. Extracts or abridgements of reports must not be published without permission of Exova Warringtonfire. The original signed paper version of this report is the sole authentic version. Only original paper versions of this report bear authentic signatures of the responsible Exova Warringtonfire staff.

**Exova Warringtonfire**