

# BRE Global Classification Report

**Classification of reaction to fire performance in accordance with  
EN 13501-1: 2007 + A1: 2009 on Coala Floor & Wall R**

**Prepared for:** Antalis International  
**Date:** 22 December 2016  
**Report Number:** P100073-1004 Issue 1

BRE Global Ltd  
Watford, Herts  
WD25 9XX

Customer Services 0333 321 8811

From outside the UK:  
T + 44 (0) 1923 664000  
F + 44 (0) 1923 664010  
E [enquiries@bre.co.uk](mailto:enquiries@bre.co.uk)  
[www.bre.co.uk](http://www.bre.co.uk)

Prepared for:

Antalis International  
8, rue de Seine  
92 100 Boulogne-Billancourt  
France





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## Prepared by

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Name C A Rock

Position Senior Consultant

Signature

A handwritten signature in blue ink that reads "CA Rock".

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## Authorised by

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Name J Hunter

Position Section Leader – Reaction to Fire

Date 22 December 2016

Signature

A handwritten signature in black ink that reads "J Hunter".

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## 1 Introduction

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This classification report defines the classification assigned to 'Coala Floor & Wall R' in accordance with the procedures given in EN 13501-1:2007+A1: 2009<sup>1</sup>.

# BRE Global

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

<b>Sponsor:</b>	Antalis International, 8, rue de Seine, 92 100 Boulogne-Billancourt, France
<b>Prepared for:</b>	Antalis International, 8, rue de Seine, 92 100 Boulogne-Billancourt, France
<b>Place of Manufacture:</b>	This information was not disclosed by the test sponsor
<b>Prepared by:</b>	BRE Global, Bucknalls Lane, Garston, Watford, Hertfordshire, WD25 9XX, UK
<b>Notified Body No.:</b>	0832
<b>Product name:</b>	Coala Floor & Wall R
<b>Classification report No.:</b>	P100073-1004
<b>Issue number:</b>	One
<b>Date of issue:</b>	22 December 2016

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## 2 Details of classified product

### 2.1 General

The product, 'Coala Floor & Wall R', is defined by the test sponsor as a PVC laminated with a removable clear acrylic adhesive.

### 2.2 Product description

The product, Coala Floor & Wall R, is described in section 2.2.2.

#### 2.2.1 Traceability

The test samples were supplied by the test sponsor. BRE Global was not involved in the sampling process and therefore cannot comment upon the relationship between the samples supplied for test and the products supplied to market.

#### 2.2.2 Sample details

Parameter	Details
Test sponsor	Antalis International 8, rue de Seine 92 100 Boulogne-Billancourt France
Manufacturer of sample	Antalis International 8, rue de Seine 92 100 Boulogne-Billancourt France
Place of manufacture	Note 1
Trade name	Coala Floor & Wall R
Sample reference	Aquabond Floor & Wall 19-5-1AL
Sample description (as provided by test sponsor/manufacturer)	A textured white PVC laminated with a removable clear acrylic adhesive.
Description of sample (as received)	A nominal 0.2 mm-thick, white facing, adhered to a Type A to EN 520 <sup>2</sup> paper-faced gypsum plasterboard
<b>Test sponsor's product data</b>	
Generic type of product	Printable media
Nominal thickness (mm)	150 micron
Nominal mass per unit area (kg/m <sup>2</sup> )	135 g/m <sup>2</sup>
Colour	White



Parameter	Details
Flame retardant treatment added or organic content limited during production (yes/no)	Note 1
European product standard, if applicable	Note 1
<b>Substrate and ventilation conditions</b>	
Substrate	Knauf Wallboard
Generic type of substrate	Paper-faced gypsum plasterboard, Type A to EN 520 <sup>2</sup>
Thickness (mm)	12.5
Mass per unit area (kg/m <sup>2</sup> )	8.3
European Classification	A2-s1, d0 to EN 13501-1 <sup>1</sup>
Type of air gap	Direct mount
Adhesive	Self-adhered
<b>Measured sample data, including substrate</b>	
Mean sample density (kg/m <sup>3</sup> )	<b>EN ISO 11925-2:</b> 634.8 (621.5 – 646.7) <b>EN 13823:</b> 652.6
Mean sample thickness (mm)	<b>EN ISO 11925-2:</b> Facing: 0.2 mm Test specimen: 12.36 (range 12.24 – 12.57) <b>EN 13823:</b> Test specimen: 12.34
Mean sample mass per unit area (kg/m <sup>2</sup> )	<b>EN ISO 11925-2:</b> 7.85 (range 7.75 – 7.94) <b>EN 13823:</b> 8.05
<b>Additional information</b>	
Purchase order no.	Antalis International Order No. 4575

### 3 Reports & results in support of this classification

#### 3.1 Reports

Name of Laboratory	Name of test sponsor	Test reports Nos.	Test method/field of application rules
BRE Global	Antalis International	P100073-1003	EN 13823 <sup>3</sup>
BRE Global	Antalis International	P100073-1001-1	EN ISO 11925-2 <sup>4</sup>



## 3.2 Results

Test method & test number	Parameter	No. test runs	Results	
			Continuous parameter - mean (m)	Compliance with parameters Criterion / Compliance status C-s1, d0
EN 13823	FIGRA <sub>0.2MJ</sub> FIGRA <sub>0.4MJ</sub> LFS THR <sub>600s</sub>	3	140.5 W/s 99.9 W/s (-) 1.2 MJ	- / - ≤ 250 W/s / Compliant ≤ edge of specimen / Compliant ≤ 15 MJ / Compliant
	SMOGRA TSP <sub>600s</sub>		10.7 m <sup>2</sup> /s <sup>2</sup> 42.1 m <sup>2</sup>	≤ 30 m <sup>2</sup> /s <sup>2</sup> / Compliant ≤ 50 m <sup>2</sup> / Compliant
	Flaming droplets/particles ≤ 10s Flaming droplets/particles > 10s		Not observed Not observed	No occurrence / Compliant Flaming ≤ 10s / Compliant
EN ISO 11925-2 30s surface exposure	F <sub>s</sub> Flaming droplets/particles	6	Not observed Not observed	≤ 150 mm within 60s / Compliant No ignition of paper / Compliant

## 4 Classification and field of application

### 4.1 Interior facing

#### 4.1.1 Classification

The interior facing of the product, 'Coala Floor & Wall R', in relation to reaction to fire behaviour is classified:

**C**

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 products excluding floorings and linear pipe thermal insulation products is:

Fire Behaviour		Smoke Production				Flaming Droplets	
C	-	s	1	,	d	0	

i.e. C-s1, d0

**Reaction to fire classification: C-s1, d0**



## 4.2 Exterior facing

### 4.2.1 Classification

The exterior facing of the product, 'Coala Floor & Wall R', in relation to reaction to fire behaviour is classified:

The additional classification in relation to smoke production is:

The additional classification in relation to flaming droplets / particles is:

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Fire Behaviour		Smoke Production			Flaming Droplets	
-	-	s	-	,	d	-

i.e. No performance determined

**Reaction to fire classification: NPD**

## 4.3 Field of application

This classification is valid for:

- i) PVC laminated with a removable clear acrylic adhesive (printable media)

And the following product and mounting and fixing parameters:

Parameter	Field of application
<b>Overall product</b>	
Type of product	PVC laminated with a removable clear acrylic adhesive.
Colour of product	White. Valid for the sample as tested (See 2.2.2). No variation in colour allowed.
Composition	Valid for the sample as tested. No variation in the type or composition of material allowed.
Build-up and ordering of layers	As tested. No variation in build-up allowed.
Overall thickness	Nominal 150 µm. No variation in thickness allowed.
Profile	Flat. Valid for the tested type only. No variation in profile allowed.
Overall Mass per unit area	Nominal 8.05 kg/m <sup>2</sup> . No variation in the mass per unit area allowed within manufacturing tolerances.
Orientation	Valid for all orientations.
<b>Joints and fixing</b>	





Parameter	Field of application
Adhesive	As tested. The adhesive is applied to the exterior facings. No variation in the application rate or thickness of the adhesive allowed.
Fixing	Self-adhered.
Joints and exposed edges	Valid for the protected joints and edges.

This classification is valid for the following end-use applications:

- i) PVC laminated with a removable clear acrylic adhesive (printable media) self-adhered to an A1 or A2 substrate, including paper-faced gypsum plasterboard, with a density of greater than or equal to 498 kg/m<sup>3</sup>.

## 5 Limitations

This classification document does not represent type approval or certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of system 3 of assessment and verification of constancy of performance and CE marking under the Construction Products Regulation.

The manufacturer has made a declaration, which is held on file. This confirms that the product's design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

## 6 References

1. EN 13501-1: 2007+A1: 2009. Fire classification of construction products and building elements. Part 1: Classification using data from reaction to fire tests. CEN, Avenue Marnix 17, B-1000 Brussels. 2009.
2. EN 520: 2004 + A1: 2009. Marnix 17, B-1000 Brussels. Gypsum plasterboards. Definitions, requirements and test methods. 2009.
3. EN 13823: 2010 + A1: 2014. Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item'. CEN, Avenue Marnix 17, B-1000 Brussels. 2014.
4. EN ISO 11925-2: 2010. Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test. CEN, Avenue Marnix 17, B-1000 Brussels. 2010.