

Bellaterra: 7th June, 2018

File number: **18/17411-1058 Part 2 English Version**

Petitioner's reference: **STYLAM INDUSTRIES LIMITED**
Plot no. 192-193
Industrial Area Phase 1
Panchkula, Haryana 16101 - India



The activities marked (*) are not covered by the accreditation of ENAC.

CLASSIFICATION REPORT

1. – PRODUCT CHARACTERISTICS

Product trade name: COMPATEC S.I.PLUS

Compact HPL laminate comprised of Kraft paper impregnated with phenolic resin and paper impregnated with thermosetting melamine resin.

The product has three layers:

-Layer 1: Sheet of decorative paper impregnated with fireproof melamine resin, with a thickness of 0.15 mm, white in colour, and smooth appearance.

-Layer 2: Sheets of fireproof Kraft paper impregnated with phenolic resin, each having a thickness of 0.33 (total thickness of approximately 6 mm), and brown in colour and smooth appearance.

-Layer 3: Sheet of decorative paper impregnated with fireproof melamine resin, with a thickness of 0.15 mm, white in colour, and smooth appearance.

Fixing system: The assembly was carried out according to the product standard EN 438-7:2005, by means of mechanical fixation, strips of pine Wood and using mineral wool insulation material. The substrate used met the technical specifications described in the standard UNE EN 13238:2011.

Manufacturer: STYLAM INDUSTRIES LIMITED. Address: Plot no. 192-193, Industrial Area Phase 1, Panchkula, Haryana 16101, India.

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2- CLASSIFICATION AND DIRECT APPLICATION FIELD

This classification has been made in compliance with the procedures provided in Standard UNE-EN 13501-1:2007+A1:2010: "Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests".

2.1. – Test report

Name of the Laboratory	Applus – LGAI
Name of Petitioner	STYLAM INDUSTRIES LIMITED
Test Report Number	18/17411-1058 Part 1
Testing method	UNE-EN ISO 11925-2:2011 UNE-EN 13823:2012+A1:2016

2.2. - Resultados de los ensayos

Testing method	RESULTS – COMPATEC S.I.PLUS			
	CRITERIA CLASS B	Nº OF TESTS	AVERAGE	COMPLIANCE
UNE-EN ISO 11925-2:2011	$F_s \leq 150$ mm in 60 s	12	$F_s < 150$ mm	YES
	Paper inflammation		NO	YES
UNE-EN 13823:2012 +A1:2016	$FIGRA_{0,2 MJ} \leq 120$ W/s	3	71.42	YES
	LFS < edge of sample	3	< to edge	YES
	$THR_{600s} \leq 7,5$ MJ	3	4.14	YES
	CRITERIA subclass 's1'	Nº OF TESTS	AVERAGE	COMPLIANCE
	$SMOGRA \leq 30$ m ² /s ²	3	6.75	YES
	$TSP_{600s} \leq 50$ m ²	3	49.43	YES
	CRITERIA subclass 'd0'	Nº OF TESTS	AVERAGE	COMPLIANCE
	Fall of droplets/particles in flames within 600s	3	NO	YES

**Smoke calculation is done in accordance with note of section A.6.1.2 of test standard.*

CLASSIFICATION

With regards to its behaviour when reacting to fire, the product COMPATEC S.I.PLUS, is classified as follows:

Behaviour to fire		Smoke production			Droplets in flames	
B	-	s	1	,	d	0

Fire reaction classification: CLASE B-s1,d0

This classification is only valid for the final conditions of use described in the present report.

2.3. – Field of Application (*)

- This classification is valid for the following product parameters:

The classification is only valid for the product characteristics shown, with the following parameters being extended:

- Variable parameter 1: THICKNESS

In accordance with paragraph B.4 of the product standard EN-438-7:2005. The test result from a compact laminate panel is valid for all greater thickness of the same type of panel.

- Variable parameter 2: STRUCTURE

In accordance with paragraph B.4 of the product standard EN-438-7:2005. The result of a test using the standard frame of wood is valid for all other types of frame (e.g. aluminium, steel frames).

- Variable parameter 3: INSULATION

In accordance with paragraph B.4 of the product standard EN-438-7:2005. The result of a test with the standard insulation in B.2 is valid for the same type of panel without insulation.

- Variable parameter 4: JOINTS

In accordance with paragraph B.4 of the product standard EN-438-7:2005. The result from a test with a horizontal joint is valid, without test, for the same type of panel used in applications without horizontal joints.

Besides, the result from a test with an open horizontal joint is valid, without test, for the same type of panel used in applications with any type of closed horizontal joint (eg. using profiles or tongues).

- Variable parameter 5: FIXING DISTANCE

In accordance with paragraph B.4 of the product standard EN-438-7:2005. Screw fixing is representative of all types of mechanical fixing at the same or closer fixing centres. Fixing distances of 400 mm to 600 mm make the test result also valid for fixing distances of up to 800 mm in practical end-use.

- This classification is valid for the following final conditions for use:

Interior and exterior coating.

2.4- Restrictions

This classification standard should not be construed as a standard approval or certification of the product.

Responsible of the fire laboratory
LGAI Technological Center S.A. (APPLUS)

Responsible of Reaction to fire
LGAI Technological Center S.A. (APPLUS)

The results refer exclusively to the samples tested at the time and under the conditions indicated.

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In the event of litigation, the Spanish version will be valid
