REACTION TO FIRE CLASSIFICATION

1. Introduction

This classification report defines the classification assigned to the product "High pressure decorative laminated sheet" in accordance with the procedures given in the standard TS EN 13501-1+A1: 2013 using data from reaction to fire tests.

REACTION TO FIRE CLASSIFICATION ACCORDING TO TS EN 13501-1

SPONSOR (Name&Address)	CROWN DECOR PVT. LTD.
	H.O.:6, PATEL AVENUE, 1st FLOOR, NR.GURUDWARA, S.G. HIGHWAY, AHMEDABAD-380059, INDIA
DEMANDED BY (Name&Address)	CROWN DECOR PVT. LTD.
	H.O.:6, PATEL AVENUE, 1st FLOOR, NR.GURUDWARA, S.G. HIGHWAY, AHMEDABAD-380059, INDIA
MANUFACTURER (Name&Address)	CROWN DECOR PVT. LTD.
	H.O.:6, PATEL AVENUE, 1st FLOOR, NR.GURUDWARA, S.G. HIGHWAY, AHMEDABAD-380059, INDIA
PREPARED BY	TSE Construction Materials Fire and Acoustics Laboratory
CLASSIFICATION REPORT NO.	492542
DATE OF ISSUE	4.10.2019
ISSUE NUMBER	1/2

This classification report consists of 4 pages and may only be used or reproduced in its entirety.

2. Details of Classified Product

2.1. General

The classified product is defined as "High pressure decorative laminated sheet"

2.2. Product Description

General Description	High pressure decorative laminated sheet
Related Specification(s)	TS EN 438-7:2005

Samples Properties (Designated Features)	
Thickness	0,67 mm (measured in the lab.)
Weight per unit area	1,17 kg/m² (measured in the lab.)
Density	1745,27 kg/m³ (measured in the lab.)

3. Test Reports and Results in Support of This Classification Report

3.1. Reports

Following test reports were taken into account in the determination of this classification.

Laboratory	Sponsor	Test Report Reference No	Test Method
TSE Construction Materials Fire and Acoustics Laboratory	CROWN DECOR PVT. LTD.	492526	TS EN ISO 11925-2: 2011-04
		10-19	
TSE Construction Materials Fire and Acoustics Laboratory	CROWN DECOR PVT. LTD.	492537	TS EN 13823+A1: 2015-02
		10-19	

3.2. Results

Results of the test reports mentioned in 3.1 and the classification criteria corresponding to class C-s1,d0 as stated in TS EN 13501-1+A1:2013 are given in the following table.

Test Method	Parameter	Number of Tests	Test Results	
			Mean of continous parameters	Non-continous parameters
TS EN ISO 11925-2 (30 s surface exposure)	Fs in 60 s ≤ 150 mm	6	(-)	Flames did not reach 150 mm treshold
	No ignition of filter paper		(-)	No ignition
TS EN 13823+A1	FIGRA ≤ 250 W/s	3	222,88	(-)
	THR_{600s} ≤ 15 MJ		4,51	(-)
	LFS < Edge of the sample		(-)	LFS < Edge
	SMOGRA ≤ 30 m²/s²		11,39	(-)
	TSP_{600s} ≤ 50 m²		42,88	(-)
	No flaming droplets in 600 s		(-)	No flaming droplets

(-) Not applicable.

4. Classification and Direct Field of Application

4.1. Reference of classification

This classification has been carried out in accordance with clause 11.5, clause 11.9.2 and clause 11.10.1 of TS EN 13501-1 + A1: 2013

4.2. Classification

In relation to its reaction to fire behaviour, the product “High pressure decorative laminated sheet” has been classified as:

C

In relation to its reaction to fire behaviour, the product “High pressure decorative laminated sheet” has been classified as:

s1

In relation to its reaction to fire behaviour, the product “High pressure decorative laminated sheet” has been classified as:

d0

Fire behaviour	Smoke production	Flaming droplets
C	s1	d0
REACTION TO FIRE CLASS: C-s1,d0		

4.3. Field of Application

This classification is valid for the products manufactured with the same recipe, same type, under the same product name and product details defined in 2.1 in the following end use applications.

- Applications where the sheets are directly supported by or mounted on surfaces with reaction to fire class of at least A2,s1-d0 and density of min 820 kg/m³.

- Applications where the product is used as placed on the market. (excluding applications involving horizontal and/or vertical joints)

5. Limitations

At the time of publishing of the standard TS EN 13501-1+A1: 2013, there wasn’t any decision concerning the duration of validity of a classification report.

The present document represents neither type approval nor certification of the product.

End of classification report.