



INSTITUTE FOR TESTING AND CERTIFICATION
třída Tomáše Bati 299, Louky, 763 02 Zlín

CLASSIFICATION REPORT
USING RESULTS OF REACTION TO FIRE
No. : 75 35 01221K / 2015


Sponsor: **CROWN LAMINATES PVT.LTD.**
HEAD OFFICE: 6, PATEL AVENUE, 1ST FLOOR,
NEAR. GURUDWARA, S. G. HIGHWAY, AHMEDABAD
380059 INDIA
REGD. OFFICE/FACTORY: 419/1, RADHE INDUSTRIAL
ESTATE, TAJPUR ROAD, VILLAGE CHANGODAR, TALUKA
SANAND, DIST. AHMEDABAD 382213 INDIA

Prepared by: Institut pro testování a certifikaci, a.s.
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Notified Body No.: 1023

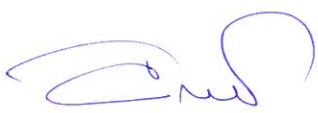
Product : **Compact laminate with flame retardant for external use,**
thickness range: 6 to 8 mm, brand name: ROYALE
TOUCHE XCL EXTERIOR LAMINATES

Manufacturer : **CROWN LAMINATES PVT.LTD.**
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RNDr. Radomír Čevelík
Vice Chairman of the Board



1 Introduction

The Classification Report describes the product classification of:

„Compact laminate with flame retardant for external use, thickness range: 6 to 8 mm, brand name: ROYALE TOUCHE XCL EXTERIOR LAMINATES“, in accordance with ČSN EN 13501-1+A1:2010.

Tests have carried out on the panel thickness representative – thickness of 6 mm (in accordance with requirements of ČSN EN 438-7)

The Classification Report has been elaborated in frame of the product conformity assessment (the project No. 75 35 01221).

2 Details of classified product

The product: „Compact laminate with flame retardant for external use, thickness range: 6 to 8 mm, brand name: ROYALE TOUCHE XCL EXTERIOR LAMINATES“ is defined as one type of product (harmonized standard: ČSN EN 438-7)

Origin, application and trade name of the classified product

The product was delivered by the manufacturer (sampled by Notified Body 1023' s representative)

The product is intended for external finishes (cladding) (with insulation material)

Trade name: ROYALE TOUCHE XCL EXTERIOR LAMINATES

Product specification

The product contains a fire retardant.

Nominal panel thickness: 6 to 8 mm.

3 Reports and results in support of this classification

3.1 Reports

Name of laboratory	Name of sponsor	Report ref. No.	Test method
ITC,a.s., NB 1023, Accredited Laboratory No.1004 Zlín, CR	CROWN LAMINATES, India	Test Report of accredited laboratory, reference No. 753501221/01, from 3rd September 2015	ČSN EN ISO 11925-2
Centrum stavebního inženýrství a.s. NB 1390, Fire Technical Laboratory – accredited Testing Laboratory No. 1007.4 Prague, CR	ITC, a.s. Zlín	Test Report No. 15/1202/P731, from 29th October 2015	ČSN EN 13823, Annex B of ČSN EN 438-7 (with standard insulation material)



3.2 Results

Table 1 – Test results of the product (thickness of 6 mm)

Test method and test number	Parameter	Num-ber of tests	Results						
			Test results of individual test specimens					Continu-ous parameter – mean(m)	Compli-ance with parame-ters
ČSN EN ISO 11925-2 (the first test method), surface exposure, time: 30s, both directions	Flame spread $F_s \leq 150$ mm (within 60s)	5	yes	yes	yes	yes	yes	(-)	Compliant
	Ignition of the filter paper (yes/no)		no	no	no	no	no	(-)	
ČSN EN ISO 11925-2 (the first test method), edge exposure, time: 30s, both directions	Flame spread $F_s \leq 150$ mm (within 60 s)	5	yes	yes	yes	yes	yes	(-)	Compliant
	Ignition of the filter paper(yes/no)		no	no	no	no	no	(-)	
ČSN EN 13823 (the second test method)	LFS>edge	3	No	No	No	-	-	No	(-)
	FIGRA _{0,2MJ} (W/s)		54.3	71.6	67.0	-	-	64.3	(-)
	FIGRA _{0,4MJ} (W/s)		54.3	71.6	67.0	-	-	64.3	(-)
	THR _{600s} (MJ)		6.1	6.8	6.5	-	-	6.5	(-)
	SMOGR _A (m ² /s ²)		4.7	4.1	5.0	-	-	4.6	(-)
	TSP _{600s} (m ²)		24.3	22.1	25.6	-	-	24.0	(-)
	Flaming (burning) droplets/particles		No	No	No	-	-	No	(-)
	Time of flaming (s)		(-)	(-)	(-)	-	-	(-)	(-)



4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with ČSN EN 13501-1+A1:2010

4.2 Classification

The product: „*Compact laminate with flame retardant for external use, thickness range: 6 to 8 mm, brand name: ROYALE TOUCHE XCL EXTERIOR LAMINATES*“,

in relation to its reaction to fire behaviour is classified: **B**

The additional classification in relation to smoke production: **s1**

The additional classification in relation to flaming droplets/particles: **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	
B	s	1	d	0

Reaction to fire classification: B-s1, d0

4.3 Field of application

The classification is valid only for the evaluated product specified in Clause 2 of this report.

5 Limitations

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