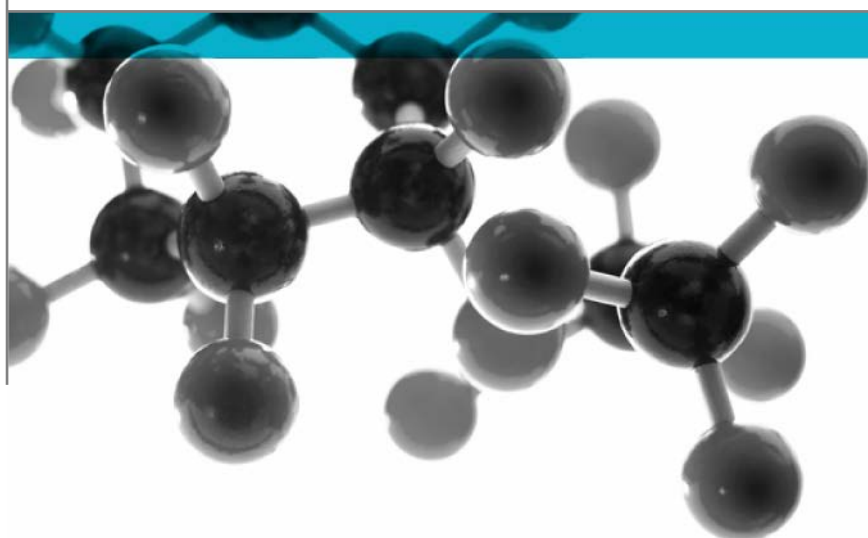


Review of Fire Test Report



A Report To: Latvijas Finieris

Document Reference: 414251

Date: 16th May 2019

Issue No.: 1

Page 1

Executive Summary

Objective To review and extend the validity period of [Warringtonfire](#) Summary Report No. 347555 which details the fire performance of the following product when tested in accordance with methods T04, T10.03 and T11.02 as defined in EN 45545-2: 2013 at an irradiance level of 25kW/m² with a pilot flame, on specimens of a product and to provide an opinion of compliance with the requirements for R10, as defined in EN 45545-2: 2013.

Generic Description	Product reference	Thickness	Weight per unit area or density
Birch plywood with a phenol film applied on both faces	"Riga Tex", "Riga Form", "Riga Heksa Plus", "Riga Rhomb", "Riga Foot", "Riga Pattern", "Riga Diamond", "Riga Crown", "Riga Superwire"	18mm	12.6kg/m ²
Individual components used to manufacture composite:			
Film	"LF 2"	0.15mm	220g/m ²
Plywood	"Riga Ply"	18mm	12.6kg/m ²
Film	"LF 1"	0.08mm	115-218g/m ²
Please see pages 4 & 5 of this test report for the full description of the product tested			


Test Sponsor Latvijas Finieris, Bauskas Iela 59, Riga, LV-1004, Latvia

Conclusion With respect to summary report WF No. 347555, its contents shall remain valid until 26th October 2024.


This review should be read in conjunction with summary report WF No. 347555.

Date of Tests 10th September & 27th October 2014

Signatories



Responsible Officer
T. Mort *
Senior Technical Officer



Authorised
S Deeming *
Business Unit Head

* For and on behalf of [Warringtonfire](#).

Report Issued: 16th May 2019

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Test Details

Introduction

Warringtonfire Summary Report No. 347555 details the fire performance of the following product when tested in accordance with methods T04, T10.03 and T11.02 as defined in EN 45545-2: 2013 at an irradiance level of 25kW/m² with a pilot flame, on specimens of a product and to provide an opinion of compliance with the requirements for R10, as defined in EN 45545-2: 2013.

General description		Birch plywood overlaid with a phenol film on both faces. The wear face has a rough wire mesh pattern; the reverse face is smooth
Product reference		“Riga Tex”, “Riga Form”, “Riga Heksa Plus”, “Riga Rhomb”, “Riga Foot”, “Riga Pattern”, “Riga Diamond”, “Riga Crown”, “Riga Superwire”
Name of manufacturer		AS “Latvijas Finieris”
Thickness		18mm (stated by sponsor) 17.46mm (determined by Warringtonfire)
Weight per unit area		12.6kg/m ² (stated by sponsor) 12.38kg/m ² (determined by Warringtonfire)
Film	Generic type	Phenol impregnated film
	Product reference	“LF 2”
	Detailed description	Paper (80 g/m ²) impregnated with phenol resins
	Composition details	36% paper 64% resin
	Name of manufacturer	AS “Latvijas Finieris”
	Thickness before laminating	0.23mm
	Thickness after laminating	0.15mm
	Weight per unit area	220g/m ²
	Colour reference	“Dark Brown”
	Flame retardant details	See Note 1 Below
	Curing process	142°C
Plywood	Generic type	Plywood
	Product reference	“Riga Ply”
	Timber species	Birch
	Thickness	18mm
	Weight per unit area	12.6kg/m ²
	No. of Ply's	13 veneers
	Trade name of adhesive used to bond the wood together	“SFŽ-3014”
	Name of manufacturer	AS “Latvijas Finieris”
	Flame retardant details	See Note 1 Below
	Cycle details	127°C at 1.8MPa; 15.5min

Continued on next page

Film	Generic type	Phenol impregnated film
	Product reference	"LF 1"
	Detailed description	Paper (42 g/m ²) impregnated with phenol resins
	Composition details	35% paper 65% resin
	Name of manufacturer	AS "Latvijas Finieris"
	Thickness before laminating	0.14mm
	Thickness after laminating	0.08mm
	Weight per unit area	Between 115 and 218g/m ²
	Colour reference	"Dark Brown"
	Flame retardant details	See Note 1 Below
Curing process	140°C	
Brief description of manufacturing process	Plywood is laminated with phenol film (220 g/m ²) using mesh press plate on one side, other side is smooth with film (120 g/m ²)	

Note 1: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

It should be noted that testing was carried out on specimens referenced "Riga Tex" only. EN 45545-2: 2013 Section 4.2 f) states that a test which qualifies any product or surface shall also qualify a product or surface which differs in colour and/or pattern. The sponsor has confirmed that the only difference between the products referenced above is in the surface pattern and as such the results of the original testing apply to the products as listed above.

Test Results

Summary report WF No. 347555 contains the following results and opinion:

**“T04” ISO 9239-1:
2010**

Average critical radiant flux = 8.4kW/m²

**“T10.03” ISO
5659-2: 2006**

D_s max = 35

**“T11.02” Gas
Analysis in the
Smoke Box ISO,
Using FTIR
Technique**

CIT_{4mins} = 0.05

CIT_{8mins} = 0.09

Opinion

We consider the results of the tests detailed above demonstrate that the product, as tested, complies with the floor composite requirements, R10 (detailed in Table 5 of EN 45545-2: 2013) for a HL1, HL2 and HL3 Hazard Level Classification.

It should be noted that testing was carried out on specimens referenced “Riga Tex” only. EN 45545-2: 2013 Section 4.2 f) states that a test which qualifies any product or surface shall also qualify a product or surface which differs in colour and/or pattern. The sponsor has confirmed that the only difference between the products referenced above is in the surface pattern and as such the results of the original testing apply to the products as listed above.

Confirmation of Specification

It has been confirmed in writing by Latvijas Finieris that there have been no changes to the product description contained within summary report WF No. 347555 and that the product which is currently being manufactured is identical in every respect to the specimens which were tested.

It has also been confirmed in writing that no further fire testing of the previously fire tested specification has been performed since the issue of the test report, and no other individual or organisation has been asked to provide a technical review of the reports.

Conclusions

The procedures adopted for the original tests (BS EN ISO 9239-1: 2010, and EN 45545-2: 2013 – Test Methods T10.03 and T11.02) have been re-examined, and are identical in all respects to those currently in use (BS EN ISO 9239-1: 2010 and BS EN 45545-2:2013+A1:2015 – Test Methods T10.03 and T11.02).

Therefore, with respect to summary report WF No. 347555, its contents shall remain valid until 26th October 2024.

This review should be read in conjunction with summary report WF No. 347555.

Validity

This review is based on information used in the original summary report. No other information or data has been submitted by Latvijas Finieris, which could affect this review.

Revision History

Issue No :	Re-issue Date:
Revised By:	Approved By:
Reason for Revision:	

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