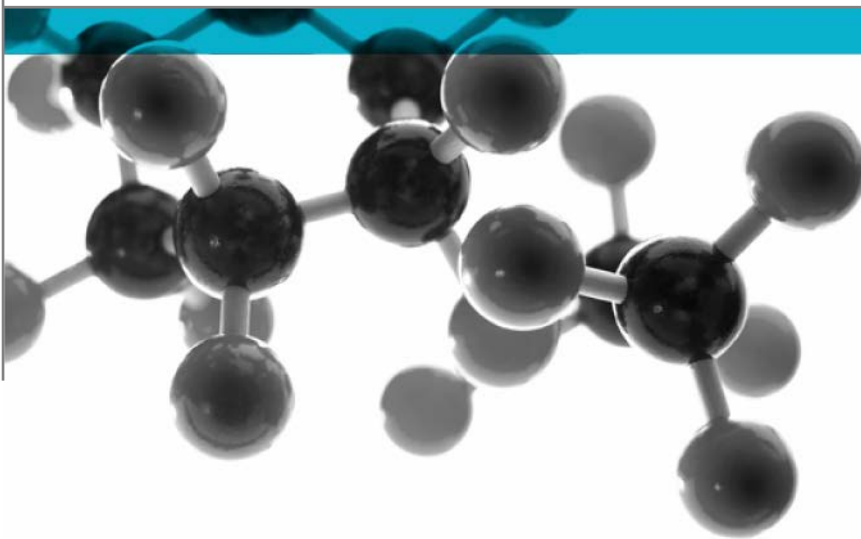


EN 45545-2: 2013 + A1:2015



Summary Test Report – Requirement Table 5 (R10)

Test Method References “T04” (EN ISO 9239-1: 2010; Part 1. Determination of the Burning Behaviour Using a Radiant Heat Source), “T10.03” (ISO 5659-2: 2012; Plastics – Smoke Generation. Part 2 Determination of Optical Density by a Single Chamber Method) and “T11.02” (Gas Analysis in the Smoke Box ISO, using FTIR Technique)

A Report To: Remmers (UK) Ltd

Document Reference: 405565

Date: 10th October 2018

Issue No.: 1

Page 1

Testing
Advising
Assuring

Executive Summary


Objective To assess the results of tests performed in accordance with methods T04, T10.03 and T11.02 as defined in EN 45545-2: 2013 + A1:2015 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, as defined in EN 45545-2: 2013 + A1:2015.

Generic Description	Product reference	Thickness	Weight per unit area
Epoxy resin coated fibre cement board	"QP Colour System"	14.14mm*	13.98kg/m ³
Individual components used to manufacture composite:			
Epoxy resin	"QP Colour System"	1mm – 2mm	2 layers 0.3kg/m ² & 0.6kg/m ²
Fibre cement board substrate	Unable to provide	12mm	Unable to provide
Please see page 5 of this test report for the full description of the product tested			


Test Sponsor Remmers (UK) Ltd, Unit B1, The Fleming Centre, Fleming Way, Cranley, West Sussex, RH10 9NN

Opinion We consider the results of the tests confirmed in reports referenced 403535 (Issue 2) & 403536 to the test methods detailed above demonstrate that the product, as tested, complies with requirements, R10 (detailed in Table 5 of EN 45545-2: 2013 + A1:2015) for a HL1, HL2 and HL3 Hazard Level Classification.

Signatories



Responsible Officer
 C. Henry *
 Fire Scientist



Authorised
 B. Dean *
 Technical Leader

* For and on behalf of **Exova Warringtonfire**.

Report Issued: 10th October 2018

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Description of Test Specimens

The description of the specimens given below has been prepared from information provided by the sponsor of the test. This information has not been independently verified by **Exova Warringtonfire**. All values quoted are nominal, unless tolerances are given.

General description		Epoxy resin coated fibre cement board
Product reference		"QP Color System"
Name of manufacturer		Remmers
Overall thickness		14.14mm (determined by Exova Warringtonfire)
Overall weight per unit area		13.98kg/m ² (determined by Exova Warringtonfire)
Coating	Generic type	Epoxy resin
	Product reference	"QP Color System"
	Name of manufacturer	Remmers
	Colour reference	"Grey"
	Number of coats	2
	Application rate per coat	0.3kg/m ² 0.6kg/m ²
	Application method	Epoxy Roller
	Flame retardant details	See Note 1 Below
Substrate	Generic type	Cement fibre board
	Product reference	See Note 2 Below
	Detailed description	See Note 2 Below
	Name of manufacturer	Gtec Hydropanel
	Thickness	12mm
	Weight per unit area	See Note 2 Below
	Colour reference	See Note 2 Below
	Flame retardant details	See Note 1 Below
Brief description of manufacturing process		See Note 2 Below

Note 1: The sponsor of the test has confirmed that no flame retardants were used in the production of this component.

Note 2: The sponsor of the test was unable to provide this information.

Classification

Opinion

We consider the results of the tests confirmed in reports referenced 403535 (Issue 2) & 403536 to the test methods detailed above demonstrate that the product, as tested, complies with requirements, R10 (detailed in Table 5 of EN 45545-2: 2013 + A1:2015) for a HL1, HL2 and HL3 Hazard Level Classification.

Validity of opinion

This opinion is based on the requirements of EN 45545-2:2013 + A1:2015 at the date of this report. If EN 45545-2 is revised or amended in any way subsequent to that date, care must be taken to ensure that this opinion is not invalidated by those revisions or amendments.

The opinion has been formulated on the assumption that the specimens are representative of the product in practice. **Exova Warringtonfire** was not involved in any sampling or selection procedures which would confirm this or in any audit testing which would provide confidence in the consistency of the product in the tests.

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Revision History

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

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