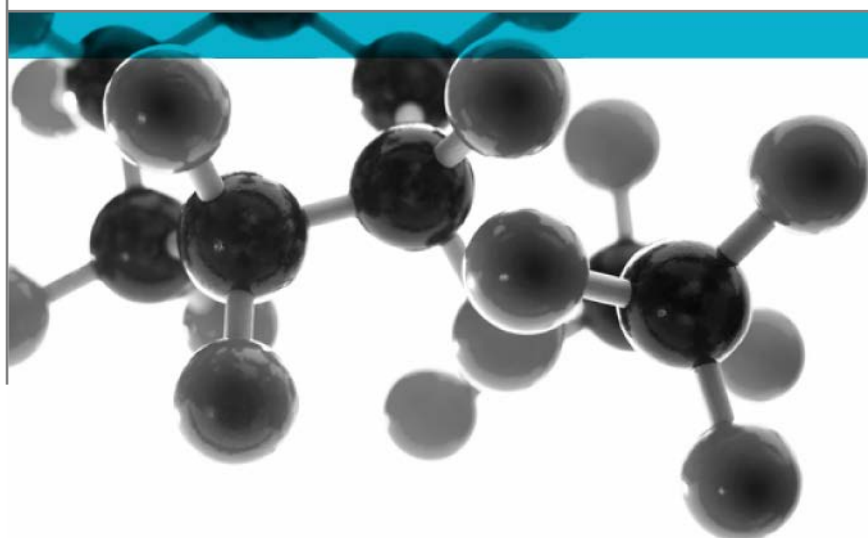


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# Review of Fire Test Report



A Report To: Polyrey SAS

Document Reference: 392968

**Date:** 15<sup>th</sup> December 2017

**Issue No.:** 1

Page 1

Testing  
Advising  
Assuring

## Executive Summary

**Objective** To review and extend the validity period of Exova Warringtonfire Test Report No: 305164 which details the surface spread of flame classification of the following product when tested in accordance with BS 476: Part 7: 1997.


| Generic Description   | Product reference | Thickness | Weight per unit area or density |
|---|-------------------|-----------|---------------------------------|
| Flame retardant grade high pressure laminate (HPL)  | "POLYREY HPL HGF" | 0.8mm     | 1420kg/m <sup>3</sup>           |
| <b>Please see page 5 of this test report for the full description of the product tested</b> |                   |           |                                 |

**Test Sponsor** Polyrey SAS, Usine de Couze, 24150 Baneuil, France


**Conclusion** With respect to test report WF No. 305164, its contents shall remain valid until 7<sup>th</sup> March 2021.  
This review should be read in conjunction with test report WF No. 305164.

**Date of Test** 8<sup>th</sup> March 2011

## Signatories



Responsible Officer  
C. Meachin \*  
Technical Officer



Authorised  
B. Dean \*  
Technical Leader

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

Report Issued: 15<sup>th</sup> December 2017

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## Test Details

### Introduction

Test report WF No. 305164 relates to a test performed in accordance with the procedures defined in BS 476: Part 7: 1997, "Fire tests on building materials and structures, method for classification of the surface spread of flame of products".

|                                  |       |  |                                 |
|----------------------------------|-------|--|---------------------------------|
| General description              |       | Flame retardant grade High Pressure laminate (HPL)                               |                                 |
| Product reference of laminate    |       | "POLYREY HPL HGF"  |                                 |
| Name of manufacturer of laminate |       | Polyrey  |                                 |
| Thickness of laminate            |       | 0.8mm (stated by sponsor)<br>0.85mm (determined by <b>Exova Warringtonfire</b> ) |                                 |
| Density of laminate              |       | 1420kg/m <sup>3</sup> (stated by sponsor)  |                                 |
| Weight per unit area of laminate |       | 1.22kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )               |                                 |
| Colour of laminate               |       | "B070 Blanc Megève"  |                                 |
| Facing                           | Paper | Product reference  | "Decorative Paper Blanc Megeve" |
|                                  |       | Name of manufacturer   | Arjowiggings                    |
|                                  |       | Generic type   | Decorative paper                |
|                                  |       | Number of layers   | 1                               |
|                                  |       | Thickness of each layer  | 0.15mm                          |
|                                  |       | Weight per unit area of each layer   | 286g/m <sup>2</sup>             |
|                                  |       | Flame retardant details  | <b>See Note 1 below</b>         |
|                                  | Resin | Product reference  | "PS04D/41"                      |
|                                  |       | Name of manufacturer   | Polyrey                         |
|                                  |       | Generic type   | Melamine                        |
|                                  |       | Amount of resin  | <b>See Note 2 below</b>         |
|                                  |       | Flame retardant details  | <b>See Note 1 below</b>         |
| Core                             | Paper | Product reference  | "Kraft Paper"                   |
|                                  |       | Name of manufacturer   | Kapstone                        |
|                                  |       | Generic type   | Kraft paper                     |
|                                  |       | Number of layers   | 3                               |
|                                  |       | Thickness of each layer  | 0.21mm                          |
|                                  |       | Weight per unit area of each layer   | 328kg/m <sup>2</sup>            |
|                                  |       | Flame retardant details  | <b>See Note 1 below</b>         |
|                                  | Resin | Product reference  | "PN10"                          |
|                                  |       | Name of manufacturer   | Polyrey                         |
|                                  |       | Generic type of resin  | Phenolic                        |
|                                  |       | Amount of resin  | <b>See Note 2 below</b>         |
|                                  |       | Flame retardant details  | <b>See Note 2 below</b>         |

Continued on next page

|  |  |
|--|--|
| Brief description of manufacturing process | High pressure decorative laminate (HPL) consisting of layers of cellulosic fibrous material (paper) impregnated with thermosetting resins and bonded together by the simultaneous application of heat (> 120 °C) and high specific pressure (> 7Mpa) to provide flowing and subsequent curing of the thermosetting resins to obtain a homogeneous non porous material with increased density.<br>The surface layers on one side having decorative colors or designs are impregnated with melamine resins. The core layers are impregnated with an FR phenolic resin.<br>Specimen not bonded on a substrate, but clamped. |
|--|--|

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

**Note 2: The sponsor of the test has provided this information but at the specific request of the sponsor, these details have been omitted from the report and are instead held on the confidential file relating to this investigation.**

**Test Results**

Test report WF No. 305164 contains the following results:

**IN ACCORDANCE WITH THE CLASS DEFINITIONS GIVEN IN BS 476: PART 7: 1997; THE SPECIMENS TESTED ARE CLASSIFIED AS CLASS 1.**

**Confirmation of Specification**

It has been confirmed in writing by Polyrey SAS that there have been no changes to the product description contained within test report WF No. 305164 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 test (BS 476: Part 7: 1997) have been re-examined and are identical in all respects to those currently in use (BS 476: Part 7: 1997), therefore, with respect to test report WF No. 305164, its contents shall remain valid until 7<sup>th</sup> March 2021.

This review should be read in conjunction with test report WF No. 305164.

**Validity**

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

## Revision History

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

|                      |              |
|----------------------|--------------|
| Issue No :           | Issue Date:  |
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| Reason for Revision: |              |