

Bodycote

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test report

BS 476: Part 7: 1997

**Method For
Classification Of The
Surface Spread Of
Flame Of Products**

WF Report Number:

175189

Date:

5th August 2008

Test Sponsor:

**Yorkshire Plywood
Limited**



0249

 **warringtonfire**
global safety

Test Results

Results and observations	The test results for the individual specimens, together with observations made during the test and comments on any difficulties encountered during the test are given in Table 1.
Classification	In accordance with the class definitions given in BS 476: Part 7: 1997, the specimens tested are classified as class 1.
Criteria for classification	If the prefix 'D' or suffix 'R' or 'Y' is included in the classification, this indicates that the results should be treated with caution. An explanation of the reason for the prefix and suffixes is given in Appendix 1, together with the irradiance along the horizontal reference line of the specimen position during the test and the classification limits specified in the Standard.
Applicability of test result	<p>The test results relate only to the behaviour of the test specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.</p> <p>The test results relate only to the specimens of the product in the form in which they were tested. Small differences in the composition or thickness of the product may significantly affect the performance during the test and may therefore invalidate the test results. Care should be taken to ensure that any product which is supplied or used is fully represented by the specimens which were tested.</p> <p>Attention is drawn to Appendix 2 entitled "Effect of thermal characteristics on the performance of assemblies".</p>
Validity	<p>The specification and interpretation of fire test methods are the subject of ongoing development and refinement. Changes in associated legislation may also occur. For these reasons it is recommended that the relevance of test reports over five years old should be considered by the user. The laboratory that issued the report will be able to offer, on behalf of the legal owner, a review of the procedures adopted for a particular test to ensure that they are consistent with current practices, and if required may endorse the test report.</p> <p>This report may only be reproduced in full. Extracts or abridgements shall not be published without permission of Bodycote warringtonfire.</p>

Description of Test Specimens

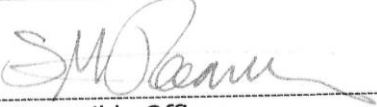
The description of the specimens given below has been prepared from information provided by the sponsor of the test. All values quoted are nominal, unless tolerances are given.

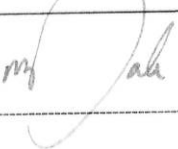
General description		A textured vinyl film adhered to one face of a plasterboard substrate
Thickness of composite		12.28mm (stated by sponsor) 12.38mm (determined by Bodycote warringtonfire)
Weight per unit area of composite		8.5kg/m ² (stated by sponsor) 8.09kg/m ² (determined by Bodycote warringtonfire)
Vinyl film	Product reference	"Cova Dolomite"
	Generic type	Polyvinyl chloride (PVC)
	Name of manufacturer	Forbo
	Colour	"White"
	Thickness	100µm
	Weight per unit area	See Note 1 below
	Flame retardant details	See Note 1 below
Adhesive	Product reference	"464.6"
	Generic type	Water based adhesive
	Name of manufacturer	Kleibert
	Application rate	95g/m ²
	Application thickness	75µm
	Application method	Roller
	Flame retardant details	See Note 2 below
Substrate	Product reference	"Standard Plasterboard"
	Generic type	Gypsum plasterboard
	Name of manufacturer	Knauf
	Thickness	12mm
	Density	8.5kg/m ²
Flame retardant details		The sponsor of the test was unable to provide this information
Brief description of manufacturing process		The sponsor of the test was unwilling to provide any information relating to the manufacturing process


Note 1. The sponsor of the test was unable to provide this information.

Note 2. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

Signatories


Responsible Officer
S. Deeming *


Approved
M. Dale *
Deputy Operations Manager


Authorised
C. Dean *
Operations Manager

* For and on behalf of **Bodycote warringtonfire.**

Report Issued: 5th August 2008

