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MEMBER OF Bodycote TESTING GROUP

Test Report Nr 12922

Sponsor

TEXDECOR
2, rue d'Hem
59780 WILLEMS
FRANCE

Material

PVC wall covering

Trade Name

Quickmousse

Manufacturer

TEXDECOR
2, rue d'Hem
59780 WILLEMS
FRANCE

Supplier

TEXDECOR
2, rue d'Hem
59780 WILLEMS
FRANCE

Nature of the tests

Tests concerning the reaction to fire of this material according to the French standard NF P 92-501 – Prévue à l'article 88 de l'Arrêté du Ministère de l'intérieur du 30 juin 1983 modifié par l'Arrêté du 28 août 1991 modifié par l'Arrêté du 27 novembre 1996.

This report consists of

5 pages

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1. THE REACTION TO FIRE

The tests concerning the reaction to fire should determine the behaviour of the material concerning the contribution of this material to the development of a fire.

This behaviour is characterised starting from test results, only of a conventional nature, so that these test results do not have an "absolute value".

2. DESCRIPTION OF THE TEST METHOD

At the request of the sponsor, the test concerning the reaction to fire is carried out according to the French standard ' NF P 92-501 : Essais de réaction au feu des matériaux - Essai par rayonnement applicable aux matériaux rigides ou rendus tels de toute épaisseur et aux matériaux souples d'épaisseur supérieure à 5 mm '.

The classification of the material is carried out following ' NF P 92-507 – February 2004 : Bâtiment – Matériaux de construction et d'aménagement : classement selon leur réaction au feu '.

3. TEST SPECIMEN

The firm TEXDECOR, 2, rue d'Hem, 59780 WILLEMS, FRANCE, has provided the laboratory with a series of 5 samples of 0,30 x 0,40 m.

Date of reception : 2007-07-04.

Sampling : by the sponsor

Trade name : **Quickmousse**

Description of the material :

This description is based on information given by the sponsor. All values are nominal, except for measured values, which are identified as MV. The measured values are mentioned only if they differ more than 10% from the nominal values.

The tested material is a PVC wall covering, consisting of a PVC top layer coated on a non woven base material. The PVC layer has a nominal thickness of 1,65mm and a nominal surface mass of 580 g/m². The non woven base material has a nominal thickness of 0,14mm and a nominal surface mass of 60g/m². The total thickness is 1,80mm. The total surface mass is 640g/m². The colour of the material is white.

The product was glued onto a fibre cement substrate (6mm, 1800 kg/m³) with BK10-PVA adhesive (200g/m²).

4. CONDITIONING

Before testing, the samples have been conditioned according to the specifications of the standards mentioned above.

5. RESULTS

The tests have been carried out on: 2007-07-07

a) Observations :

Test Nr.	1	2	3	4
Exposed surface				
t_1 : time of ignition (s) *	No	No	No	No
t_2 : time of extinction (s) *	No	No	No	No
Non-exposed surface				
t'_1 : time of ignition (s) *	No	No	No	No
t'_2 : time of extinction (s) *	No	No	No	No
P_1 : Weight before test (g)	1479	1452	1465	1,463
P_2 : Weight after test (g)	1436	1412	1423	1430
S : Area destroyed (cm^2)	201	201	201	201
t_f : Start of melting (s)	(1)	(1)	(1)	(1)
t_o : Appearance of opening (s)	(1)	(1)	(1)	(1)
F : Σh_i (cm)	0	0	0	0
Δt : total duration of effective burning (s)	0	0	0	0
* $\tau = 0$ = Start of the test				

(1) The material does not melt. No aperture appears during the test procedure.

b) Criteria:

$$q = \frac{100 \sum h}{t_i \sqrt{\Delta t}}$$

t_i : ignition time
h : maximum flame length in cm during every 30s period
$\sum h$: sum of h expressed in cm over total test duration
Δt : duration of effective combustion in sec

Test number	1	2	3	4
q	0	0	0	0

Classification index

$$\bar{q} = \frac{\sum q}{n} = 0$$

n: number of tests

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6. CONCLUSION

The test results relate only to the behaviour of the product under the particular conditions of the test. They are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

The test results are only valid for the specimen of the product as they have been tested. Small differences in the composition or thickness of the specimen may significantly affect the performance during the test and may therefore invalidate the test results.

In order to obtain test results which are representative for the product which is supplied or used, the conformity between the test specimen and the product should be assured. This is the role of the manufacturer and/or the supplier.

The PVC wall covering ' **Quickmousse** ', as described in § 3 and under the conditions of the test standard ' NF P 92-501 – Prévue à l'article 88 de l'Arrêté du Ministère de l'intérieur du 30 juin 1983 modifié par l'Arrêté du 28 août 1991 et par l'Arrêté du 27 novembre 1996 ' : **is classified in class M1,** following the French classification standard ' NF P 92-507 – February 2004 '.
This classification is valid for all non insulating substrates with an M0 class.

Ghent, 22 AUG. 2007

ing. F. DUTRIEUE
Project manager

Prof.dr.ir. P. VANDEVELDE
Director

NF P 92-501 FD P 92-507 M WG 1E*

This document is the original version of this test report and is written in English.