

Coba Plastics Ltd
Marlborough Drive
Fleckney
Leicestershire
LE8 8UR

12 February 2002
Our ref: 26188/02/02
Your ref:
Order No. 9989
Page 1 of 2

Material Received on: 06/02/02

One sample of floorcovering labelled ref: Senso Elite Matting supplied by Coba

FIRE TESTS ACCORDING TO DIN 4102 PART 14
Determination of the burning behaviour of floor
covering systems using a radiant heat source

Date of Test: 11/02/02

Procedure

The sample was tested in accordance with the above standard. The specimen size was set out in the standard with the material being sampled in accordance with the BTTG Internal Flammability Procedure F1.

Specimens were individually placed in the combustion chamber and allowed to preheat for two minutes under a radiant panel, which gives an imposed radiant flux ranging from approximately 1.1 W/cm^2 to 0.1 W/cm^2 along the specimen.

A pilot flame was then applied to the surface of the specimen for 10 minutes and then removed.

Test termination was considered to be when the flame front becomes self extinguishing or at 30 min., whichever is the sooner.

The radiant flux from the panel incident on the specimen at this position (critical radiant flux CRF or RF 30) was calculated from a prior calibration.

The development of smoke was measured throughout the test.

Requirements

Deutsches Institut für Bautechnik requires that the CRF or RF 30 be greater than or equal to 0.45 W/cm^2 and the smoke density be less than or equal to $750\% \times \text{min}$.

UKAS ACCREDITATION

Our laboratories are UKAS accredited. However, it should be noted that:

- a) any opinion, interpretation or comments in this report are outside the scope of UKAS accreditation.
- b) tests marked * are not UKAS accredited in this report and are not included in the UKAS Accreditation Schedule for our laboratory, either due to the work not conforming fully to the standard (e.g. reduced number of specimens) or to it being outside the scope of our accreditation, or subcontracted.



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Results

	Burn Length (mm)	Critical Radiant Flux (w/cm ²)	Rf30 (w/cm ²)	Smoke Development (% x min)	Duration of Flaming (sec)
Warp	674	N/A	0.19	447	1800
Warp	325	0.65	N/A	90	782
Warp	350	N/A	0.60	154	1800
Mean		0.48		230	1461

N/A = Not Applicable

The test results relate only to the performance of the combinations of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Comments

The sample was tested loose laid onto the specified backing board.

The results indicate that the sample met the requirements of the DIN 4102 B1 classification.

The information contained on page no's 1/2 of this certificate is hereby certified to be a correct statement of the tests and investigations carried out by Wira Testing Services on the materials referred to.

Signed.....*D. Hird*.....Date *13/02/02*

D. Hird
Section Leader
Fire Testing

Signed.....*M. J. Graham*.....Date *13.2.02*

Dr. C Graham
Operational Manager

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