West Yorkshire Materials Testing Service
PO Box 5, Nepshaw lane South, Morley,
Leeds LS27 0QP
Tel: 0113 253 0241   Fax: 0113 252 7029
Materials Testing Manager: D.J. Brockbank

Client: Gabriel
Hjulmagervej 55
Postbox 59
DK-9100 Aalborg
Denmark

Entry No: 68582

Date received: 26/01/2015

Client's Description: Sample of fabric: Europost 2 / Grey

TEST REPORT

Test Required: BS476 Part 7

Fire tests according to BS 476: Part 7:1987 (As Amended)

(Method for classification of the surface spread of flame of products)

Date of Test: 10/01/2015

Conditioning

The sample was conditioned to constant mass at a temperature at 23+2ºC and a relative humidity of 50+10% and maintained in this condition until required for testing.

Procedure

The test was carried out in accordance with BS 476: Part 7: 1987(1993). The sponsor sampled the material and the specimens were cut from the sample to the dimensions set out in the standard .The Specimens were tested stuck down on to 12mm calcium silicate board using PVA adhesive.

The following were recorded:-
   A. The time at which the flame font crosses each vertical reference line.
   B. The maximum extent of flame spread during the first 1.5 min from the start of the test
   C. The maximum extent of flame spread during the whole test i.e. 10 min or less (if applicable)
   D. The time (and distance) at which maximum flame spread is reached.

The flame spread at 1.5min and the final flame spread results were compared with the standard class limits and a classification was assigned

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This is hereby certified to be a correct return of the tests made of the items referred to herein.

D.J. Brockbank
Materials testing Manager
11th January 2015

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Requirements

The class limits for flame spread, detailed in BS 476: Part 7: are set below

	Flame Spread at 1.5min(mm)	Final Flame spread (mm)
Class 1 Class 2 Class 3 Class 4	165(+25) 215(+25) 265(+25)	165(+25) 455(+45) 710(+75)
	Exceeding Class 3 Limits	

A definitive classification is based on a sample of six specimens and the figure in brackets gives the tolerance by which only one specimen in six may exceed the class limit assigned.

Results
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.

Time for flame spread To reach (s) (mm)					Flame spread at 1.5 min(mm)	Maximum flame spread (mm)	Time to reach maximum flame spread(s)
165	215	265	455	710			
---	---	---	---	---	120	120	93
---	56	---	---	---	165	165	85
---	---	---	---	---	70	70	80
---	---	---	---	---	70	70	70
---	---	---	---	---	75	75	85
---	63	---	---	---	180	180	83

The results indicate that the sample met the performance requirements of class 1

Comments

An estimation of uncertainly of measurement has not been taken in to account when making a judgement to any pass /fail criteria.

Subcontracted test made by a UKAS Accredited Laboratory

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❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days
❖ This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.