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FLAMMABILITY TEST REPORT

Report No.: LEHTX00559326 **Date Received :** 26/11/10 **Date Tested:** 02/12/10 **Date Issued:** 02/12/10

Company Name & Address: THOMAS KNEALE & CO. LTD.
"ARBRY HOUSE"
UNIT 6
PICCADILLY TRADING ESTATE
MANCHESTER
M1 2NP

Contact Name: FARRAH CUNNINGHAM

Sample Details

Customer Description:	Blue Modacrylic Blanket
Order no.:	TK/MAB 1110
Reference no.:	ST/MAB/BLU
Quality:	Not stated
Batch no.:	Not stated
Colour(s) :	Blue
Supplier:	Not stated
End use:	Public Sector
Fibre composition:	Not stated
Fabric type:	Woven
Sample description:	Blue coloured woven blanket

Test Method	Pre Treatment	Performance requirement	Result
BS 7175: 1989 Section 3, Ignition sources 0 & 5 (Smouldering cigarette & Crib 5)	3 cycles of the Hospital laundry procedure (Normal) in clause 6.5.3 of BS 5651: 1989	BS 5866: Part 4: 1991	**PASS**

Please note: In addition to the marking details specified in Parts 1, 2 and 4 of BS 5866, each blanket also claiming compliance with Part 4 shall bear at least the following information on a durable label: **'Flammability complies with BS 5866: Part 4: 1991'**

Blankets which comply with this Part of BS 5866 have been commonly referred to as fire retardant blankets or flame retardant blankets.

The BSI committee, on harmonization of fire and flammability policy has however stressed that such terminology, which may give a misleading impression of performance and / or implies a judgement of performance in the event of a real fire, should be avoided.

STEVEN OWEN	~~CAROLE SPOWART~~	~~ANDREW WHITE~~	~~SIMON CHEE~~
(Chemical Technologist)	~~(Flammability Technician)~~	~~(Quality Manager)~~	~~(Analytical Lab Manager)~~

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Test Specification

Test method: BS 7175: 1989

Criterion of ignition: Section 3, Ignition source 0 (Smouldering cigarette) tested at Position A (Top) and Position B (Between top and 2nd fold)
Section 3, Ignition source 5 (Crib 5), tested at Position A (Top) and Position B (Below the overhang)

Pre-treatment / Durability procedure

3 cycles of the Hospital laundry procedure (Normal) in clause 6.5.3 of BS 5651: 1989

Conditioning

Prior to testing: At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of 20±5°C and a relative humidity of 65±5%

At time of testing: Temperature between 15°C & 30°C. Relative humidity between 35% & 75%

Test results

"The following results relate only to the ignitability of the test specimen under the particular conditions of test and are not intended as a means of assessing the full potential fire hazard of the bed covers in use."

Ignition Source		Specified time	Behaviour at specified time		Behaviour on dismantling		Ignited/ Not ignited (I/NI)	Comments
Number	Position		Initial	Repeat	Initial	Repeat		
0	A	60 minutes after placement of the cigarette.	Cigarette burned out after 16 minutes and 29 seconds.	Cigarette burned out after 17 minutes and 33 seconds.	No progressive smouldering	No progressive smouldering	NI	Maximum hole size did not exceed the limits specified in BS 5866: Part 4: 1991
0	B	60 minutes after placement of the cigarette.	Cigarette burned out after 16 minutes and 43 seconds.	Cigarette burned out after 17 minutes and 56 seconds.	No progressive smouldering	No progressive smouldering	NI	Maximum hole size did not exceed the limits specified in BS 5866: Part 4: 1991
5	A	10 minutes after ignition of the crib	Flaming ceased 2 minutes and 55 seconds after crib ignition. Crib glowing ceased 8 minutes and 29 seconds after crib ignition.	Flaming ceased 3 minutes and 48 seconds after crib ignition. Crib glowing ceased 8 minutes and 47 seconds after crib ignition.	No progressive smouldering	No progressive smouldering	NI	Maximum hole size did not exceed the limits specified in BS 5866: Part 4: 1991
5	B	10 minutes after ignition of the crib	Flaming ceased 3 minutes and 36 seconds after crib ignition. Crib glowing ceased 9 minutes and 10 seconds after crib ignition.	Flaming ceased 3 minutes and 49 seconds after crib ignition. Crib glowing ceased 9 minutes and 33 seconds after crib ignition.	No progressive smouldering	No progressive smouldering	NI	Maximum hole size did not exceed the limits specified in BS 5866: Part 4: 1991

Conclusions

The sample tested meets the requirements of BS 5866: Part 4: 1991. **PASS.**