

Fire Test Report from SATRA

Firm: Le Mark Group
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For the attention of Mr S Gibbons
of:

Technical Services Report

Subject: Testing of “Gaf – fire” tape
Firm: Le Mark group
Your ref:
Our ref: VQ38889/0316/SPC-0/JAG - issue 2
Date: 11th of June 2003

Conditions of Issue:

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TESTING OF MATERIAL REFERENCED AS “GAF - FIRE”

INTRODUCTION

A sample of Adhesive tape referenced as “GAF - FIRE” was received by SATRA on the 16th of April 2003 For testing in accordance with BS5867: 1980 part 2 Fabrics for curtains and drapes - Flammability requirements. Type B – Performance requirements.

REQUIREMENTS.

BS5867: 1980 part 2 clause 5.3 Type B performance requirements:

Clause 5.2.1 states: Except where specified that testing after an approved cleansing or wetting procedure is unnecessary, all fabrics shall be tested after being subjected to the appropriate procedure specified in clause 4. It is unnecessary to test such fabrics before the cleansing procedure.

In all cases, only the face of the fabric shall be tested, if this is apparent. Alternatively, only that face which is shown by pre testing to spread flame the faster shall be tested.

Clause 5.2.2 BS5438: 1976 test 2 shall be used with the additional procedures given in A.2.1 and A.3.1 of BS5867: 1980.

Three specimens shall be tested in the machine direction and three specimens in the cross direction in accordance with test 2 of BS5438, using a 15-second flame application time.

No part of any hole nor any part of the lowest boundary of any flame shall reach the upper edge or either vertical edge of any specimen and there shall be no separation of any flaming debris from any specimen. The mean afterflame or afterglow time shall not exceed 2.5 seconds.

‘For each set of four specimens, if any hole or part of the lowest boundary of any flame shall reach the upper edge or either vertical edge of any specimen, and there shall be no separation of any flaming debris from the specimen.

In accordance with appendix B of BS 5438: 1976, if any part of any hole or any part of the lowest boundary of any flame reaches the upper edge or either vertical edge of one specimen, or if there is any separation of any flaming debris from one specimen, a further six specimens shall be tested. If all six specimens comply with the above requirements, the fabric shall be deemed to comply with the requirements of type B of this standard. If any part of any hole or any part of the lowest boundary of any flame reaches the upper edge or either vertical edge of more than one of the six or twelve specimens tested, or there is any separation of any flaming debris from more than one of the six or twelve specimens tested, the fabric shall be deemed not to comply with the requirements for type B of this British Standard.

TEST RESULTS

1) GAF – Fire adhesive tape

	Front face					
	Longer edge in machine direction			Longer edge in cross direction		
Sample	1	2	3	1	2	3
Flame extension to upper or either vertical edge	No	No	No	No	No	No
Flaming debris	No	No	No	No	No	No
Hole formation	No	No	No	No	No	No
After flame time (seconds)	0	0	0	0	0	0
After glow time (seconds)	3.3	5.9	3.1	4.2	2.6	2.8

Mean afterflame/ afterglow time (seconds) = 3.7

CONCLUSION.

The sample of adhesive tape referenced as “GAF FIRE” received by SATRA on the 16th of April 2002 was tested in accordance BS5867 part 2: 1980

It was stated that the material is intended to be used as a short term repair to fabric in theatres or similar venues. As no other appropriate standard was available BS5867 part 2: 1980 was used as an indicative test to show the flammability properties of this fabric. The requirements of this standard were met with the exception of the mean after glow time.

It should be noted that the fabric was assessed as received.