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## Vita Cellular Foams (UK) Ltd

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Our Ref: **FL – 22219-S1**

Date: 16 September 2021

Delivery Date: 08 September 2021

Test Dates: 09 - 15 September 2021

For the attention of Aaron Bishop

## SAMPLE(S) FOR TEST:

One, Foam – Ref: RF24 60 Ref: 310821

*Note: The above descriptions are as supplied by the client and have not been verified by FIRA International who can take no responsibility for the accuracy of the description.*

## TEST REQUIREMENTS:

Schedule 1 Part I (based on BS 5852: 1982 Part 2)

## RESULT:

Pass - P5

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# TECHNICAL REPORT

## DESCRIPTION

Enquiry No. FL - 22219-S1

Item: Foam – Ref: RF24 60 Ref: 310821

Supplied by: Vita Cellular Foams (UK) Ltd

*The following test results relate only to the ignitability of the combination 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.*

## **FURNITURE AND FURNISHINGS (FIRE) (SAFETY) REGULATIONS 1988 - AMENDED 1989, 1993 AND 2010** **SCHEDULE 1 PART 1 FOR POLYURETHANE FOAM (BASED ON BS 5852: 1982 PART 2)**

**Initial Inspection:** Condition as new.

**Conditioning:** ≥3 days at indoor ambient conditions and ≥16 hours at 20±5°C & 50±20% rh.

**Test Procedure:** Test rig - as specified in 6.1.1 of BS 5852-2: 1982, foam sample and covered with a FR polyester material as specified in paragraph 2 of Schedule 1 Part 1 of the above regulations (as amended).

**Test Conditions:** The test was conducted within the specified conditions of 15-30°C & 20-70% rh.

## RESULTS

Ignition Source No.	App No.	Flaming of Assembly	Smoke/ Smoulder	Result - Ignition/ Non-Ignition
5	1 2	03min 14sec 02min 54sec	06min 46sec 07min 06sec	PASS N/I PASS N/I

Application	Initial Weight (kg)	Final Weight (kg)	Total Mass Loss (kg)
1	5.997	5.950	0.047
2	6.012	5.950	0.037

## COMMENTS

CLAUSE	SMOULDERING CRITERIA	App 1.	App 2.
4.1b	Smoke/ smoulder >than 60min after ignition of crib	NO - PASS N/I	NO - PASS N/I
4.1c	Unsafe escalating smouldering	NO - PASS N/I	NO - PASS N/I
4.1d	Test assembly consumed	NO - PASS N/I	NO - PASS N/I
4.1e**	Smoulders to either side of the lower margins or through full thickness	NO - PASS N/I	NO - PASS N/I
4.1f**	Charring/ other than discolouration extending more than 100mm, other than upwards from position of the crib	NO - PASS N/I	NO - PASS N/I
CLAUSE	FLAMING CRITERIA	App 1.	App 2.
4.2b	Flaming >10 min from ignition of crib	NO - PASS N/I	NO - PASS N/I
4.2d	Unsafe escalating combustion	NO - PASS N/I	NO - PASS N/I
4.2e	Test assembly consumed	NO - PASS N/I	NO - PASS N/I
4.2f**	Flames through full thickness/ flames reach lower margin	YES - PASS N/I	YES - PASS N/I

\*\*Flames penetrated the full thickness of the sample, however the resultant mass loss was less than 60g, as stipulated in paragraph 6 of schedule 1 part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations 1988, amended

## CONCLUSION

On the basis of the test carried out this polyurethane slab foam Ref: RF24 60 Ref: 310821, passes the flammability performance requirements of the test specified in Schedule 1 Part I of the Furniture and Furnishings (Fire) (Safety) Regulations 1988, amended 1989, 1993 and 2010.

Tested by: Vanessa Mitchell

Reported by: Kai Henebery

Approved by: Stephen Cotton  
Technical Specialist - Flammability

\*\*\*\*\* End of Report \*\*\*\*\*

