

## Test Certificate 83671 - 1

### Report Details

|                          |   |                    |           |                    |           |
|--------------------------|---|--------------------|-----------|--------------------|-----------|
| <b>Report Number</b>     | 83671 - 1   | <b>Date Tested</b> | 26-Aug-20 | <b>Date Issued</b> | 27-Aug-20 |
| <b>Service Requested</b> | BS EN 1021-1/2: 2014 - S0+S1 (Cigarette & Match) + Water Soak |                    |           |                    |           |

### Customer Details

|                         |               |  |                        |                      |  |
|-------------------------|---------------|--|------------------------|----------------------|--|
| <b>Company Name</b>     | SMD CONTRACTS |  | <b>Company Address</b> | UNIT F2; PITTMAN WAY |  |
| <b>Customer Contact</b> | EMMA LOCKWOOD |  |                        | FULWOOD              |  |
| <b>Customer Ref/PO</b>  |               |  |                        | LANCASHIRE           |  |
|                         |               |  |                        | PR2 9ZD              |  |

### Customer Details - As Supplied by the Customer

|                           |                             |
|---------------------------|-----------------------------|
| <b>Sample Description</b> | KELSO (Wool)                |
| <b>Fibre Composition</b>  | 100% Wool with FR treatment |

### Quality/Batch Ref

|                       |                               |
|-----------------------|-------------------------------|
| <b>Colour</b>         | Blue                          |
| <b>Sample End Use</b> | Contract Upholstery & Drapery |
| <b>Model Ref</b>      |                               |

|                         |                   |
|-------------------------|-------------------|
| <b>Manufacturer</b>     | MAL               |
| <b>Supplier / Buyer</b> | SMD Holdings Ltd. |

### Test Methods:

BS EN 1021-1:2014 – Furniture – Assessment of the ignitibility of mattresses and upholstered bed bases. Part 1: Ignition source smouldering cigarette.

BS EN 1021-2:2014 – Furniture – Assessment of the ignitibility of mattresses and upholstered bed bases. Part 2: Ignition source match equivalent.

### Conditioning:

The sample was conditioned for 72 hrs in ambient conditions then for at least 24 hrs in a specified atmosphere at  $23 \pm 2^{\circ}\text{C}$  and  $50 \pm 5\%$  relative humidity.

### Pre-Treatment:

None

Please note: The uncertainty of measurement is taken into account when stating conformance to the specification. The measured value(s) marked\* are compared with the 'acceptance interval' which is determined by reducing the specification limits by the expanded test uncertainty  $UK=2$  (approximately 95% confidence interval). Results outside these limits are declared as 'fail'. All test results issued on this certificate refer only to the item under test as supplied by the customer. This test certificate shall not be duplicated.

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### Test Results

The Following test results relate only to the ignitibility of the combination of the 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.

| Test Type  | 1021-1 | Test 1   | Test 2   | Test 3   |
|--|--------|--|--|--|
| Filling Material Used:                               |        | CMHR 35  |  |  |
| Cigarette ceased smouldering: [mm:ss]:               |        | <60.0  | <60.0  | <60.0  |
| <b>Progressive Smouldering Criteria</b>              |        |  |  |  |
| Unsafe escalating combustion:                        |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Smoulders to extremities:                            |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Smoulders through thickness:                         |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Smoulders for more than 1 hour:                      |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Evidence of melting / charring / dripping:           |        | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Presence of active smouldering on final examination: |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| <b>Flaming Criteria</b>                              |        |  |  |  |
| Cover Split  |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Occurrence of flames:                                |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Test Result  |        | PASS   | PASS   | PASS   |

Please note: The uncertainty of measurement is taken into account when stating conformance to the specification. The measured value(s) marked\* are compared with the 'acceptance interval' which is determined by reducing the specification limits by the expanded test uncertainty UK=2 (approximately 95% confidence interval). Results outside these limits are declared as 'fail'. All test results issued on this certificate refer only to the item under test as supplied by the customer. This test certificate shall not be duplicated.

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## Test Certificate 83671 - 1

| Test Type                                    | 1021-2 | Test 1   | Test 2   | Test 3   |
|--|--------|--|--|--|
| Filling Material Used:                       |        | CMHR 35  |  |  |
| Flaming ceased smouldering: [mm:ss]:         |        | 0:01   | 0:01   | 0:01   |
| <b>Progressive Smouldering Criteria</b>      |        |  |  |  |
| Unsafe escalating combustion:                |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Smoulders to extremities:                    |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Smoulders through thickness:                 |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Smoulders for more than 1 hour:              |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Evidence of melting / charring / dripping:   |        | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| <b>Flaming Criteria</b>                      |        |  |  |  |
| Cover Split                                  |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Unsafe escalating combustion:                |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Test assembly consumed:                      |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Flaming to extremities:                      |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Flaming through thickness:                   |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Flaming continued for more then 120 seconds: |        | <input type="checkbox"/>   | <input type="checkbox"/>   | <input type="checkbox"/>   |
| Test Result                                  |        | PASS   | PASS   | PASS   |

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**Overall Result: PASS**

The sample supplied meets the test criteria of BS EN 1021-1:2014 & BS EN 1021-2: 2014

Authorised Signature:



**Zeb Alam**

Operations Director

**END OF REPORT**

Please note: The uncertainty of measurement is taken into account when stating conformance to the specification. The measured value(s) marked\* are compared with the 'acceptance interval' which is determined by reducing the specification limits by the expanded test uncertainty  $U_{k=2}$  (approximately 95% confidence interval). Results outside these limits are declared as 'fail'. All test results issued on this certificate refer only to the item under test as supplied by the customer. This test certificate shall not be duplicated.

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