




**Report No.** TC.19.12.008216

**Date of Issue** 01/06/2020

**Applicant:** LANXI JOEN FIBERGLASS CO.,LTD.

**Applicant address:** International Trade Industrial and Functional Zone, Meijiang Town,  
Lanxi, Zhejiang

**Description of the test subject:**

Sample	Description	Photo
001	Sample Description: FIBERGLASS FIRE BLANKET  Style No.: 1.2m×1.8m	

**Receipt Date of Sample:** 12/25/2019

**Date of Testing:** From 12/25/2019 to 01/06/2020

**Sample submitted:** The sample(s) was (were) submitted by applicant and identified.

**Conclusion:**

Test Items			Conclusion
No.	Items	Standard	
1	Fire blankets	EN 1869:2019	Pass

Note: (1) General Terms & Conditions as mentioned overleaf,(2)The results relate only to the items tested,(3)The test report shall not be reproduced except in full without the written approval of the company. (4) Samples are tested as received.



**Report No. TC.19.12.008216**

**Date of Issue 01/06/2020**

### Test Results

#### EN 1869:2019 Fire blankets

##### 1. Sample details:

Sample Description	Fire blanket		
Precondition	Temperature	Relative humidity	Duration
	20±10°C	60±10%R.H.	48h

##### 2. Test result:

##### 2.1 Construction

Whether there have seams in the fire blanket	(Yes/No)	No
Whether the hand holding devices comprise loops	(Yes/No)	No
Whether the hand holding devices are flammable	(Yes/No)	No
Whether the hand holding devices were detach from the fire blanket during the testing	(Yes/No)	No
Size of fire blanket (length*width*Thickness)	(mm*mm*mm)	1200*1800*0.43
Weight of specimen	(kg)	1.0105
Whether the fire blanket is permanently deformed when rolling	(Yes/No)	No
Whether the edges of the fire blankets have fray or tear during tests	(Yes/No)	No
Whether the fire blanket is packed in a protective container	(Yes/No)	Yes
The container shall be fitted with a visible means of indicating whether the blanket is inside.	(Yes/No)	Yes

##### Requirement:

- 1) There shall be no seams in the fire blanket except as follows if required:
  - a) where the hand-holding devices are fixed; and
  - b) at any edge;
  - c) applying layers together.
- 2) Hand holding devices shall
  - a) not comprise loops;
  - b) be self-extinguishing after being subjected for 5s to a gas flame located below at 2cm from the material surface. The flame generated by a pocket lighter is suitable for the purpose;
  - c) not become detached from the fire blanket during any of the testing specified in this document.
- 3) Fire blankets shall be rectangular or square and no edge shall be less than 1,0 m and no more than 1,8 m. (Only fire blankets of minimum size 1,2m×1,8m are considered suitable for smothering persons whose clothes are on fire.)
- 4) The total mass of any fire blanket shall not exceed 4,5 kg.
- 5) A fire blanket shall be packed in a protective container.

Note: (1) General Terms & Conditions as mentioned overleaf, (2) The results relate only to the items tested, (3) The test report shall not be reproduced except in full without the written approval of the company. (4) Samples are tested as received.



**Report No. TC.19.12.008216**

**Date of Issue 01/06/2020**

The container shall be designed, such that it does not damage the fire blanket at any time (during installation, inspection or use).

- 6) The container shall be fitted with a visible means of indicating whether the blanket is inside.
- 7) The edges of the fire blankets shall not fray or tear.
- 8) Protection against microorganism or insect should be taken into consideration, either through material treatment or via suitable container design.
- 9) Fire blankets shall be capable of being rolled completely around a (50 + 2) mm diameter bar, and along any axes parallel to adjacent sides, without permanent deformation.
- 10) When stowed or packed in accordance with the manufacturer's instructions, it shall be possible for a fire blanket to be taken from the stowed position, unfolded, and held ready for use in not more than 4 s. The force required to remove the fire blanket from the container fitted with its indicative device shall not exceed 80 N.

## 2.2 Electrical resistance

Item	Requirement	Conclusion
Electrical resistance of the blanket	The electrical resistance of the blanket material shall be not less than 1 MΩ at any point.	Pass

## 2.3 Marking

Whether the container marked in white lettering on a red background. (Yes/No)	Yes
The high of the words FIRE BLANKET in letters (mm)	20
The number EN 1869 and year of this standard and the model or type number.	Year:2019 Model No.: JOEN-FB120180
Whether there have instruction 'DISCARD AFTER USE'. (Yes/No)	Yes
Whether there have instructions for use incorporating pictograms and including an instruction to 'cover burning material completely', 'switch off heat' and 'leave covered until cool'. (Yes/No)	Yes
The number of this European Standard in the reverse of the container or a leaflet	2019
Whether there have instructions prescribing an annual service in the reverse of the container or a leaflet. (Yes/No)	Yes
Whether there has blanket size in metres by metres in the reverse of the container or a leaflet. (Yes/No)	Yes
Whether there has folding instructions in the reverse of the container or a leaflet. (Yes/No)	Yes

### Requirement:

- 1) The container shall be marked with the following in white lettering on a red background.  
The location and layout of the markings and their front style and contrast should be such that they are legible and understood by users when the container is fixed in position.  
Text shall be in at least one of the national languages of the country where the blanket is intended to be used.

Note: (1) General Terms & Conditions as mentioned overleaf, (2) The results relate only to the items tested, (3) The test report shall not be reproduced except in full without the written approval of the company. (4) Samples are tested as received.



**Report No. TC.19.12.008216**

**Date of Issue 01/06/2020**

- 2) These markings shall be visible when the container is fixed in position
  - a) The words FIRE BLANKET in upper case letters not less than 20 mm high.
  - b) the number and year of the CEN edition of this document;
  - c) Model or type number;
  - d) blanket size in metres by metres;
  - e) incorporate pictograms and instructions for:
    - 1) removal of fire blanket from container
    - 2) application of fires of flammable material
      - “switch off heat”
      - “cover burning material completely”
      - “leave covered until cool”
    - 3) application of fire blankets suitable for smothering persons whose clothes are on fire
      - Cover the victim with the blanket and smother the fire
    - f) the instruction DISCARD AFTER USE, in upper case letters.
- 3) Either the reverse of the container or a leaflet shall be marked with the following.
  - a) Instructions prescribing periodical inspection in accordance with the manufacturer recommendations; an annual inspection is recommended;
  - b) Folding instructions.
- 4) For its traceability, each fire blanket or container shall bear a batch number indication.

**Conclusion: Pass**

#### 2.4 Fire performance test

Fuel	3L pure rapeseed oil		
Specimens No.	1	2	3
Whether have visible flames after removal of the blanket (Yes/No)	No	No	No
Whether re-ignition within 3 min of removal of the blanket (Yes/No)	No	No	No
Whether the fire blanket remain whole and not ignite during the test. (Yes/No)	Yes	Yes	Yes

#### Requirement:

- 1) The fire blanket shall remain whole and not ignite during the test.
  - 2) The fire is considered to be extinguished if there are:
    - no visible flames after removal of the blanket; and
    - no re-ignition within 3 min of removal of the blanket
- Some oil shall remain in the tray at the end of the test.

**Conclusion: Pass**

Note: (1) General Terms & Conditions as mentioned overleaf,(2)The results relate only to the items tested,(3)The test report shall not be reproduced except in full without the written approval of the company. (4) Samples are tested as received.





Report No. TC.19.12.008216

Date of Issue 01/06/2020

## 2.5 Heptane fire performance test

Fuel	3L Heptane and 1L water
------	-------------------------

Specimens No.	1	2	3
Whether have visible flames after removal of the blanket (Yes/No)	No	No	No
Whether re-ignition within 10s of removal of the blanket (Yes/No)	No	No	No
Whether the fire blanket remain whole and not ignite during the test. (Yes/No)	Yes	Yes	Yes

### Requirement:

- 1) The fire blanket shall remain whole and not ignite during the test.
  - 2) The fire is considered to be extinguished if there are:
    - no visible flames after removal of the blanket; and
    - no re-ignition within 10s of removal of the blanket
- After each test, a minimum of 5mm of fuel shall remain.

**Conclusion:** Pass

**Statement:** The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential smoke and toxicity hazard of the product in use.

Test results are just for client internal reference.

Changzhou Jinbiao Railway Transportation Technical Service Co., Ltd.

Drafted by:

Lynn liu

Approved by:

Shen hui

-End of Report-

Note: (1) General Terms & Conditions as mentioned overleaf, (2) The results relate only to the items tested, (3) The test report shall not be reproduced except in full without the written approval of the company. (4) Samples are tested as received.

