



**उत्पाद मैनुअल
आई एस 15381:2021 के अनुसार
अग्नि शमन हेतु कंबल के लिए**

दस्तावेज संख्या - पी एम/ आई एस 15381/1/अगस्त 2021

भारतीय मानक ब्यूरो की स्कीम-1 (अनुरूपता मूल्यांकन) विनियम , 2018 के तहत यह उत्पाद मैनुअल प्रमाणीकरण के प्रचालन में रीति और पारिश्रिता की सुसंगतता सुनिश्चित करने के लिए सभी क्षेत्रीय/शाखा कार्यालयों और लाइसेंसों द्वारा संदर्भ सामग्री के रूप में उपयोग किया जाएगा। बीआईएस प्रमाणीकरण लाइसेंस/ प्रमाणपत्र प्राप्त करने के इच्छुक भावी आवेदकों द्वारा भी इस दस्तावेज का उपयोग किया जा सकता है ।

**PRODUCT MANUAL FOR
FIRE BLANKET
ACCORDING TO IS 15381: 2021**

Document No.- PM/ IS 15381/1/Aug 2021

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure coherence of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification licence/certificate.

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
मानक भवन, ९, बहादुर शाह ज़फ़र मार्ग
Manak Bhawan, 9, Bahadur Shah Zafar Marg
नई दिल्ली- ११०००२
New Delhi – 110002



PRODUCT MANUAL FOR FIRE BLANKET ACCORDING TO IS 15381: 2021

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure coherence of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification licence/certificate.

1.	Product	:	IS 15381 : 2021
	Title	:	FIRE BLANKET
	No. of Amendments	:	Nil
2.	Sampling Guidelines:		
a)	Raw material	:	Clause 3 of IS 15381:2021
b)	Grouping guidelines	:	Nil
c)	Sample Size	:	4 pieces
3.	List of Test Equipment	:	Please refer ANNEX – A
4.	Scheme of Inspection and Testing	:	Please refer ANNEX – B
5.	Possible tests in a day :		
	a) Construction [Clause 4 (except Clause 4.2)] b) Workmanship & Finish (Clause 7]		
6.	Scope of the Licence :		
	“Licence is granted to use Standard Mark as per IS 15381:2021 with the following scope:		
	Name of the product	:	Fire Blanket

BUREAU OF INDIAN STANDARDS
Manak Bhawan, 9, Bahadur Shah Zafar Marg,
New Delhi – 110002

ANNEX A
List of Test Equipment

Major test equipment required to test as per the Indian Standard

S. No.	Test Used in with Clause reference	Test Equipment
1	Construction (Clause 4)	- Platform for dimension measurement - Steel Scale/Steel Tape - Weighing balance - Round bar (50±2 mm) - Energy Meter/ any other force measuring equipment
2	Electrical Resistance (Clause 5)	- Electrical Resistance test setup as per fig.1 (table, megohmmeter, flat conducting rectangular plate as per Cl B-1.3)
3	Fire performance Test (Clause 6.1)	- Fuel as per Clause C-1.1 - Fuel Tray as per Clause C-1.2 - Tray Support Stand as per Clause C-1.3 - Gas Burner - Stop Watch - Fuel as per Clause D-1.1 - Digital Thermometer with extension probe - Room free from draughts and with sufficient ventilation (ambient temp – 0°C & 30°C)
4	Fire Performance- Clause 6.3	- Templates - Specimen Holder/ Mounting Frame - Gas Burner as per Clause 7.3 of IS 15758 (Pt 4):2020 - Test arrangement as per Clause 9.1.2 of IS 15758 (Pt 4):2020 - High temperature Infrared Thermometer/ any other similar device
5	Conditioning of test specimen	- Conditioning chamber (or combination of AC, humidifier and hygrometer) as per Annex-A

The above list is indicative only and may not be treated as exhaustive.

ANNEX B

Scheme of Inspection and Testing

1. LABORATORY - A laboratory shall be maintained which shall be suitably equipped (as per the requirement given in column 2 of Table 1) and staffed, where different tests given in the specification shall be carried out in accordance with the methods given in the specification.

1.1 The manufacturer shall prepare a calibration plan for the test equipments.

2. TEST RECORDS –The manufacturer shall maintain test records for the tests carried out to establish conformity.

3. LABELLING AND MARKING– As per the requirements of IS 15381: 2021.

4. CONTROL UNIT – All Fire Blankets manufactured under identical conditions from the same type of raw material with each consignment in a week shall constitute one control unit.

5. LEVELS OF CONTROL - The tests as indicated in column 1 of Table 1 and the levels of control submitted by the manufacturer in column 3 of Table 1, shall be carried out on the whole production of the factory which is covered by this plan and appropriate records maintained in accordance with paragraph 2 above.

5.1 All the production which conforms to the Indian Standard and covered by the licence should be marked with Standard Mark.

6. REJECTIONS–Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act, 2016.

TABLE 1

(1)					(2)	(3)		
Test Details					Test equipment requirement R: required (or) S: Sub-contracting permitted	Recommended Levels of Control		
Clause	Requirement		Test Methods Clause Reference			No. of Sample	Frequency	Remarks
3	Material		3	IS 15381	S	-	Each Consignment	No further testing is required, if accompanied with test certificate
4	Construction		4	IS 15381	R	Three	Each Control Unit	-
5	Electrical Resistance		5	IS 15381	R	One	Each Control Unit	-
6	Fire Performance	Cooking Oil	6.1 & 6.2	IS 15381	R	One	Each Control Unit	-
		Hydrocarbon Fuel			R	One	Each Control Unit	-
		To withstand a temperature of 850°C to 900°C for 2 min	6.3	IS 15381	S	One	Once in a month	-
7	Workmanship & Finish		7	IS 15381	R	Each Fire Blanket		-

Note-1: Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empanelled by the Bureau.

Note-2: Levels of control given in column 3 are only recommendatory in nature. The manufacturer may define the control unit/batch/lot and submit his own levels of control in column 3 with proper justification for approval by BO Head