



PRODUCT MANUAL FOR
Modular Panel For Security of Premises- Specification
ACCORDING TO IS 17541 : 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 17541 : 2021
	Title	:	Modular Panel For Security of Premises - Specification
	No. of Amendments	:	Nil
2.	Sampling Guidelines:		
a)	Raw material	:	-
b)	Grouping guidelines	:	Please refer ANNEX – A
c)	Sample Size	:	Number of panels to be drawn depend upon the design and drawing of Panel as well as Assembly. (All Seams and Joints including Front, Side, Corner and Ceiling Joint shall be tested.)
3.	List of Test Equipment	:	Please refer ANNEX – B
4.	Scheme of Inspection and Testing	:	Please refer ANNEX – C
5.	Possible tests in a day :		
	(i) Dimensions as per Clause 5 (ii) Construction and General Requirements as per Clause 8 (iii) Fittings as per Clause 9 (iv) Finish as per clause 10		
6.	Scope of the Licence :		
	“Licence is granted to use Standard Mark as per IS 17541: 2021 with following scope:		
	Name of the product	Modular Panel for Security of Premises	
	Type	Continuous Design Panel Segmented Design Panel	
	Class	C, B, A, AA, AAA	
	Drawing	Approved Drawing to be kept in records and Drawing No. to be endorsed.	

Annex A

Grouping Guidelines

1. The Standard covers the following classification of Modular Panel for Security of Premises-
 - a) **TYPE:** Continuous Design Panel (full height of room); &
Segmented Design Panel (two or more segments for full height of room).
 - b) **CLASS:** C, B, A, AA & AAA
2. The **Drawing/Design** of a Modular Panel assembly **in terms of types and number of Joints, Material of construction & Thickness of material** play a major role in strength of entire Vault.
3. Considering the above, a sample from each type and each class shall be tested for every separate drawing for all requirements for considering GOL/CSoL.
4. During the operation of Licence, it shall be ensured that all the varieties covered in the Licence are tested in rotation, to the extent possible.

ANNEX B**List of Test Equipment**

Major test equipment required to test as per the Indian Standard

Sl. No.	Tests used in with Clause Reference	Test Equipment
1	Dimensions as per Cl 5 & Construction and General Requirements as per Cl 8	• Steel Scale • Measuring Tape • Vernier Calipers
2	Finish as per Cl 10	• Coating Thickness Gauge
3	Cross Hatch Test as per Cl 10.1	• Sharp Metal Pointer • Straight Edge • Transparent Adhesive Tape of 20 mm or more width • Stopwatch

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

ANNEX C

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 requirement laid out in Cl 12 of IS 17541: 2021.

4. CONTROL UNIT – Modular panels of same class and type having similar joints, manufactured in one week, shall constitute a control unit.

5. LEVELS OF CONTROL - The tests as indicated in column 1 of Table 1 and the levels of control 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 Standards 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	Levels of Control		
Cl.	Requirement	Test Method			No. of Sample	Frequency	Remarks
		Clause	Reference				
6	Material	6 & Table 1	As per Manufacturer’s Declaration	S	One	Each Consignment	Critical quality parameters of the materials used for the components shall be declared by manufacturer at the time of Type approval and records to be maintained accordingly. No testing is required if declared material is ISI marked or received with Test Certificate.
5	Dimensions	As per Manufacturer’s Declaration		R	One	Each Control Unit	
8	Construction & General Requirements	8.1 to 8.3	IS 17541 : 2021	R	One	Each Control Unit	
9	Fittings	9	IS 17541 : 2021	R	One	Each Control Unit	
10	Finish	10	IS 17541 : 2021	R	One	Each Control Unit	
10.1	Cross Hatch	10.1	IS 17541 : 2021	R	One	Each Control Unit	

11	Burglary Resistance	5	IS 11188 (Part 2)	S	One	7 years	These tests are considered as type tests and shall be carried out for initial approval of the design as well as whenever there is a change in design. These tests shall be conducted once in seven years in such a way that entire product range covered in the licence is tested at least once in 7 years.
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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.