

केन्द्रीय मुहर विभाग – III

हमारा संदर्भ- केन्द्रीय मुहर विभाग-3/16: IS 3087

03 10 2018

विषय: अनुपालन हेतु एस आई टी

सभी शाखा कार्यालय से आग्रह है कि एस आई टी का अनुपालन तत्काल प्रभाव से सुनिश्चित करें।

(अमित कुमार)
वैज्ञानिक 'सी' (सी एम डी-III)

प्रमुख (सी एम डी-III)

सभी क्षेत्रीय/शाखा कार्यालय
आई टी एस विभाग — बीआईएस इंटरनेट पर अपलोड करने हेतू

CENTRAL MARKS DEPARTMENT-III

Our Ref: CMD-3/16: IS 3087

03 10 2018

Subject: SIT for IS 3087: 2005 'Particle boards for wood and other lignocellulosic materials (Medium density) for general purposes'.

This has reference to the subject mentioned above.

BOs may kindly ensure implementation of the SIT with immediate effect.

Amit Kumar
Sc. C (CMD III)

Head (CMD - III)

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**SCHEME OF INSPECTION AND TESTING
FOR CERTIFICATION OF PARTICLE BOARDS OF WOOD
AND OTHER LIGNOCELLULOSIC MATERIALS (MEDIUM DENSITY)
FOR GENERAL PURPOSES ACCORDING TO IS 3087 : 2005**

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.

1.1The 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 3087 : 2005.

4. CONTROL UNIT – Particle boards of wood and other lignocellulosic materials (Medium density) for general purposes of the same designation (Class and grade) and formaldehyde class, manufactured with the same batch of adhesive compound during a shift of eight hours subject to a maximum 1000 boards shall constitute a 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 |
| 5.2 | Adhesive | 5.2 | IS 3087 IS 848 | S | - | - | No further testing is required if accompanied with the Test certificate or ISI marked. If adhesive is manufactured inhouse, proper test record for specified requirement for each lot manufactured shall be maintained. |
| 5.3 | Sizing material | 5.3 | IS 3087 | S | One | Each lot | No further testing is required if received with test certificate. |
| 7 | Finish | 7 | IS 3087 | R | Each board | - | - |
| 8 and 11.2 | Dimensions and Tolerances | 8 | IS 3087 IS 2380 (Part 2) | R | Three | Every hour production | In case of failure in dimensions, all boards manufactured during the hour shall be checked and only those conforming shall be marked. |
| 9.1, 10.2.1 (a), 11.3 and Table 1 | Density | 11.3 | IS 3087 IS 2380 (Part 3) | R | Two | Each control unit | ## |
| 9.2, 10.2.1 (b), 11.4 and Table 1 | Moisture content | 11.4 | IS 3087 IS 2380 (Part 3) | R | Two | Each control unit | |
| 9.3, 10.2.1 (c), 11.5 and Table 1 | Water absorption | 11.5 | IS 3087 IS 2380 (Part 16) | R | Two | Each control unit | |
| 9.4, 10.2.1 (d), 11.6 and Table 1 | Swelling in water | 11.6 | IS 3087 IS 2380 (Part 17) | R | Two | Each control unit | |

| (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 |
| 10.2.1 (f), 11.8 and Table 1 | Modulus of rupture and Modulus of elasticity | 11.8 | IS 3087 IS 2380 (Part 4) | R | Two | Each control unit | ## |
| 10.2.1 (g), 11.9 and Table 1 | Tensile strength perpendicular to surface | 11.9 | IS 3087 IS 2380(Part 5) | R | Two | Each control unit | ## |
| 10.2.1 (g), 11.9.1 and Table 1 | Tensile strength perpendicular to surface a) Cyclic test or | 11.9.1 | IS 3087 IS 2380(Part 5) | S | Two | Once in three months for each type and grade. | @ @ |
| | b) Accelerated water resistance test | 11.9.1 | IS 3087 IS 2380(Part 5) | R | Two | Each control unit | ## |
| 10.2.1 (h), 11.10 and Table 1 | Screw withdrawal test | 11.10 | IS 3087 IS 2380(Part 14) | R | Two | Each control unit | ## |
| 9.6 | Workability | Annex B | IS 3087 | R | Two | Each control unit | ## |
| 9.7 | Formaldehyde content/Emission, <i>F_c</i> | 9.7, 9.7.1, or 9.7.2 | IS 3087 IS 13745 Or IS 14587 IS/ISO 12460-1: 2007 | R S | Two Two | Each control unit Once in three months for each type and grade | ## The manufacturer may test the product either for formaldehyde content or Steady state formaldehyde emission value |

If both the samples fail, the control unit shall be rejected and shall not be marked. If one sample fails, then two additional samples shall be taken from the same control unit for retesting. If any retested sample fails, the control unit shall be rejected and shall not be marked.

@@ If any sample fails, marking shall be stopped. Marking shall be resumed only after passing of improved lots produced after taking corrective actions. Frequency of testing shall be maintained as once in a month for each type and grade of boards till three consecutive samples pass and there after original frequency of testing shall be resumed.

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

Note-2 The control unit and levels of control as decided by the Bureau are obligatory to which the licensee shall comply with.