

**केन्द्रीय मुहर विभाग -2**

संदर्भ- : के मू वी-2/16: 5437

22 02 2024

विषय: **IS 5437:2024** के **revision** के अनुपालन के दिशा निर्देश

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशा निर्देश अनुपालन हेतु संलग्न है।

अनुरोध है कि दिशा निर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

(अमित चौधरी)  
वैज्ञानिक - डी

**प्रमुख (के मू वी 2)**

**सभी क्षेत्रीय/शाखा कार्यालय/प्रयोगशालाएँ/ CHD/LRMD**

**CENTRAL MARKS DEPARTMENT-2**

Our Ref: CMD-2/16: 5437

22 02 2024

**Subject: Guidelines for implementation of Revised IS 5437:2024**

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

It is requested to ensure the implementation of the above Guidelines with immediate effect.

(Amit Choudhary)  
Scientist D

**Head (CMD-2)**

**All ROs/BOs/Labs/CHD/LRMD**

## CENTRAL MARKS DEPARTMENT-2

Our Ref: CMD-2/16: 5437

22 02 2024

**Subject: Guideline for Implementation of revised IS 5437 : 2024 (Rolled Glass — Patterned, Extra Clear Patterned, Wired and Wired Patterned Glass — Specification)**

1. IS 5437 : 1994 for **FIGURED, ROLLED AND WIRED GLASS — SPECIFICATION** has been revised to IS 5437 : 2024, **Rolled Glass — Patterned, Extra Clear Patterned, Wired and Wired Patterned Glass — Specification**.
2. Rolled Glass — Patterned, Extra Clear Patterned, Wired and Wired Patterned Glass as per IS 5437 : 2024 is currently under voluntary certification with 1 Licence for the product in operation in India under VJBO, and no pending applications.
3. IS 5437 : 1994 and IS 5437 : 2024 are under concurrent running till 13<sup>th</sup> July 2024 and the last date for implementation of revised IS 5437 : 2024 is 13<sup>th</sup> July 2024.
4. The major changes in the standard on account of the revision are given in the table below for general guidance:

**A. Major Changes in IS 5437 due to the revision**

Sl no	Clause No	Change
1.	Page 1 Title	The title of the Standard has been changed from <b>FIGURED, ROLLED AND WIRED GLASS — SPECIFICATION</b> to <b>Rolled Glass — Patterned, Extra Clear Patterned, Wired and Wired Patterned Glass — Specification</b>
2.	Page 1, clause 1	Scope of the IS has been modified to replace applicability on <i>figured, rolled and wired glass</i> to <i>patterned, extra clear patterned, wired and wired-patterned glass</i>
3.	Page 1, clause 3	Under the terminology Clause, the given terminologies (Rolled Glass and mistint glass) have been replaced with the terminologies  1. Deviation of the Pattern 2. Deviation of the Wire 3. Edge Defect 4. Elongated Spot Fault 5. Extra Clear Patterned Glass 6. Final Cut Size 7. Length, H 8. Linear/Extended Fault 9. Pattern Fault 10. Patterned Glass

		<p>11. Rolled Glass</p> <p>12. Spot Fault</p> <p>13. Stock Size</p> <p>14. Visual Fault</p> <p>15. Width, B</p> <p>16. Wire Fault</p> <p>17. Wired Glass</p> <p>18. Wired-Patterned Glass</p>
4.	Page 2, clause 4.1	A new clause on categorization of ROLLED GLASS into 4 categories viz, a) patterned glass; b) extra clear patterned glass; c) wired glass; and d) wired-patterned glass, has been introduced
5.	Page 2, clause 5	The requirements given under <b>General Requirements for Figured, Rolled and wired glass</b> and <b>Thickness and dimensional tolerance of figured and rolled glass</b> has been Replaced by <b>REQUIREMENTS COMMON TO ALL GLASS TYPES</b> . Under the clause requirements for <b>Tolerances on final cut sizes</b> and <b>Squareness</b> have been added. Under Visual Faults, requirement for <b>Spot Faults, Elongated Spot Faults</b> and <b>Linear/Extended Faults</b> have been included.
6.	Page 4, Clause 6	<p>A new clause on <b>REQUIREMENTS SPECIFIC TO PATTERNED GLASS</b> has been introduced.</p> <p>Under the clause compliance requirement related to Pattern Faults has been given and method of test prescribed at Annex A.</p>
7.	Page 4, Clause 7	<p>A new clause on REQUIREMENTS SPECIFIC TO EXTRA CLEAR PATTERNED GLASS has been included.</p> <p>Under the clause following requirements and reference to test methods have been given</p> <ol style="list-style-type: none"> <li>1. Pattern Faults (test method at Annex A)</li> <li>2. Iron Content (test method at Annex B)</li> <li>3. Antimony Content (test method specified at Annex C)</li> <li>4. Hydrolytic Resistance (testing and grading specified IS 2303 (Part 1/Sec 2))</li> <li>5. Light Transmission (tested method specified in Annex D.)</li> <li>6. Solar Direct Transmittance (test method specified at Annex D, )</li> <li>7. Information on AR coatings provided at Annex G.</li> </ol>
8.	Page 5, Clause 8	REQUIREMENTS SPECIFIC TO WIRED GLASS is given at Cl 8. In the requirement of wire mesh diameter of steel wire has been changed from 0.46 - 0.56 to not less than 0.42 mm. Requirement for wire faults has been added under sub-clause 8.4
9.	Page 5, Clause 9	REQUIREMENTS SPECIFIC TO WIRED PATTERNED GLASS has been included at Cl 9

10.	Page 5, clause 10	Packing and marking requirement has been replaced. Provision for packaging in a suitable shock-absorbing manner as agreed to between the manufacturer and the purchaser has been provided under packaging (Cl 10.1). Separate requirements for marking on package and glass has now been provided.
11.	Page 5, clause 11	Sampling requirement has been modified and given separately for PATTERNED AND EXTRA CLEAR PATTERNED GLASS and WIRED AND WIRED-PATTERNED GLASS. For ensuring randomness of selection of the samples from the lot, reference has been made to procedures given in IS 4905.

5. The existing Product manual has been revised to incorporate the changes due to the revised IS and it is being circulated separately, through BIS website, as Product Manual Doc: PM/IS 5437/2 Feb 2024.

6. The guidelines for implementation of the revised IS are as given below:

A. LICENSEES:

- (i) The one operative Licence under VJBO has plain rolled and figured rolled Glass of thickness 3 mm to 5 mm existing in their scope of Licence.
- (ii) The licensee shall implement the revised Indian Standard by 13<sup>th</sup> July 2024. Any difficulty in implementation shall be brought to the notice of CMD-2 within 30 days from the date of issuance of these guidelines. VJBO shall ensure that the Licence is not under operation as per IS 5437:1994 (old standard) after 13<sup>th</sup> July 2024. The status of implementation of the revised Indian Standard shall be confirmed by Head (VJBO) to CMD-II within two weeks of the last date of implementation of concurrent running.
- (iii) Licensee is required to submit evidence of conformity through In-house Test Reports, for requirements covering **Tolerances on final cut sizes, Squareness, Spot Faults, Elongated Spot Faults** and **Linear/Extended Faults**, and **REQUIREMENTS SPECIFIC TO PATTERNED GLASS**.
- (iv) Change in the Test equipment, if any, consequent to the revision of the IS shall be declared by Licencee in Form no 2.
- (v) Consequent to the implementation of the revised IS, the scope of Licence shall be revised as given below:
  - a) Figured Rolled Glass, shall be revised to Patterned Glass,
  - b) Plain Rolled Glass, variety covered in the scope of Licence shall be deleted.
- (vi) Verification of implementation of the revised IS, shall be done in the next surveillance visit, preferably within 30 days of confirmation of implementation of the revised standard by licensee.
- (vii) If the Licensee fails to complete all actions by 13<sup>th</sup> July 2024, it shall be dealt with as per the prevailing guidelines.

B. APPLICATIONS FOR GRANT OF LICENCE:

(i) No applications are pending for the IS. Applications which are recorded henceforth may be processed as per the old standard / the revised Standard. Processing of Applications as per the old Standard, shall be permitted only upto 12<sup>th</sup> July 2024. For such cases Applicant shall give a declaration that they will implement the revised Standard by 13<sup>th</sup> July 2024.

7. No application for grant of licence and/or change in scope of licence shall be accepted or grant of licence/change in scope permitted as per IS 5437: 1994 (Old IS) after 13<sup>th</sup> July 2024.

8. VJBO is requested to circulate this guideline to the licensee immediately within 7 days of issuance of this circular.

9. The above guidelines come into force with immediate effect.

(Amit Choudhary)  
Scientist D

Head (CMD-2)  
DDG(Certification)

Circulated to:

- i) All RO/BOs
- ii) All other concerned - through BIS intranet