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| ***भारतीय मानक***  ***Indian Standard*** | **IS 8602 : 2024**  **ISO 3613 : 2021** |

**धात्विक और अन्य अकार्बनिक लेपन — जिंक, कैडमियम, एल्युमीनियम-जिंक मिश्रधातु और जिंक-एल्युमीनियम मिश्रधातु पर क्रोमेट परिवर्तन लेपन — परीक्षण पद्धतियाँ**

**(*पहला पुनरीक्षण*)**

**Metallic and Other Inorganic Coatings — Chromate Conversion Coatings on Zinc, Cadmium, Aluminium-Zinc Alloys and Zinc-Aluminium Alloys — Test Methods**

**(*First Revision*)**

ICS 25.220.20

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भारतीय मानक ब्यूरो

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मानक भवन, 9 बहादुर शाह ज़फर मार्ग, नई दिल्ली - 110002

MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG,

NEW DELHI - 110002

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**September 2024 Price Group X**

Corrosion Protection and Finishes Sectional Committee, MTD 24

NATIONAL FOREWORD

This Indian Standard (First Revision) is identical with ISO 3613 : 2021 ‘Metallic and Other Inorganic Coatings — Chromate Conversion Coatings on Zinc, Cadmium, Aluminium-Zinc Alloys and Zinc-Aluminium Alloys — Test Methods’ issued by the International Organization for Standardization (ISO), was adopted by the Bureau of Indian Standards on the recommendation of Corrosion Protection and Finishes Sectional Committee and approval of the Metallurgical Engineering Division Council.

This standard was first published in 1977 with title ‘Methods of tests for chromate conversion coatings on zinc and cadmium surfaces’. The first revision of this standard has been undertaken to align with the International Standard ISO 3613 : 2021 under dual numbering system.

The text of ISO standard has been approved as suitable for publication as in Indian Standard without deviations. Certain terminologies and conventions are, however, not identical with those used in Indian Standard. Attention is especially drawn to the following:

1. Wherever the words `International Standard’ appear referring to this standard, it should be read as `Indian Standard’
2. Comma (,) has been used as a decimal marker while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exists. The corresponding Indian Standards which are to be substituted in their place are listed below along with their degree of equivalence for the edition indicated:

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| *International Standard* | *Corresponding Indian Standard* | *Degree of Equivalence* |
| ISO 3892 : 2000 Conversion coatings on metallic materials — Determination of coating mass per unit area — Gravimetric methods | IS 9838 : 1981 Method for determination of coating mass per unit area of conversion coatings on metallic materials by gravimetric method | Not Equivalent |
| ISO 4520 :1981 Chromate conversion coatings on electroplated zinc and cadmium coatings | MTD 24 (25073) Chromate conversion coating on zinc and cadmium coated articles and zinc base alloys - Code of practice (*Revision of IS 1340 and IS 9839*) | Not Equivalent |
| IEC 60068-2-30 : 2005 Environmental testing — Part 2-30 Tests — Test Db: Damp heat, cyclic (12 h + 12 h cycle) | IS/IEC 60068-2-30 : 2005 / IEC 60068-2-30:2005 Environmental testing Part 2 Tests Section 30 Test Db: Damp heat cyclic 12 h 12 h cycle | Identical |

In reporting the result of a test or analysis made in accordance with this standard, is to be rounded off, it shall be done in accordance with IS 2 : 2022 ‘Rules for rounding off numerical-values (*second revised*)’.