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ICS 25.220.40
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JB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JB/T 15391-2025

Specification for zirconia conversion solutions on metal surfaces

金属氧化锆转化液规范

(English Translation)

Issued on: December 17, 2025 **Implemented on: July 1, 2026**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

JB/T 15391-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 July 2026.

The JB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the technical requirements for zirconia conversion solutions for metal surface treatment, describes the corresponding test methods, and specifies inspection rules, as well as marking, packaging, transportation, and storage requirements. This standard applies to the production of zirconia conversion solutions and zirconia-silane complexes. This is for reference in the production of the combined system conversion fluid.

JB/T 15391-2025 falls under ICS 25.220.40, in the field of manufacturing engineering.

This catalogue holds 1,459 other JB/T standards in that field.

In this catalogue, JB/T standards carry edition years from 1967 to 2026.

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3 About this standard

Sector: Mechanical & Machinery Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 13912-2020 - Metallic coatings--Hot dip galvanized coatings on fabricated iron and steel articles--Specifications and test methods

JB/T 12855-2016 - Metallic coatings - Electroplated coatings of zinc-nickel alloys

GB/T 15519-2002 - Chemical conversion coatings -- Black oxide coating on iron and steel -- Specification and test methods

JB/T 15392-2025 - Specification for coating of ductile iron valves

JB/T 12857-2016 - Process specification for hexavalent chromium-free decorative electroplating

JB/T 12858-2016 - Process specification for cyanide-free zinc and zinc alloy electroplating

5 Classification and status

International classification (ICS): 25.220.40

Chinese Standard Classification (CCS): A 29

Prefix JB/T: recommended standard.

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