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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 42262-2022

**Metallic and other inorganic coatings - Thermal spray
coordination - Tasks and responsibilities**

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foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules for Standardization Documents" drafting.

This document is modified to adopt ISO 12690.2010 Coordination Tasks and Responsibilities for Thermal Spraying of Metals and Other Inorganic Overlays.

Compared with ISO 12690.2010, this document has made the following structural adjustments.

---Appendix A corresponds to Appendix B in ISO 12690.2010.

The technical differences between this document and ISO 12690.2010 and their reasons are as follows.

--- Replaced EN657.2005 (see Chapter 3) with the normatively quoted GB/T 18719 to adapt to the technical conditions of our country, adding

Operability;

--- Replaced ISO 14922-1, ISO 14922-2, ISO 14922-3, ISO 14922-4 with normatively referenced ISO 14922, with

Adapt to the technical conditions of our country and increase operability;

--- Replaced ISO 14918 (see A.3, A.6) with the normatively quoted GB/T 19824 to adapt to my country's technical conditions, adding

Operability;

--- ISO 6508-1, GB/T 4340.1 replaced ISO 6507-1, GB/T 230.1 with normative references

GB/T 37421 replaced 14923 (see A.9.3) to adapt to my country's technical conditions and increase operability.

The following editorial changes have been made to this document.

--- Deleted the informative Appendix A in ISO 12690.2010.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

Thermal spraying is a special process that requires operators with thermal spraying qualifications to perform thermal spraying operations on parts. This will ensure

The processing quality of barrier thermal spraying ensures the reliable performance of the workpiece during service. The Thermal Spray Coordinator has the ability to coordinate thermal spray related activities and is responsible for

Responsible for planning, execution, monitoring and testing.

Metal and other inorganic coatings

Thermal Spray Coordination Tasks and Responsibilities

1 Scope

This document specifies the tasks and responsibilities for ensuring the quality of thermal sprayed coatings and painted parts, including the coordination of activities related to thermal spraying.

This document applies to thermal spray activities coordinated by one or more persons within the same company or production department.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document.

GB/T 230.1 Rockwell hardness test for metallic materials - Part 1. Test method (GB/T 230.1-2018, ISO 6508-1.

2016, MOD)

GB/T 4340.1 Vickers hardness test for metallic materials - Part 1. Test method (GB/T 4340.1-2009, ISO 6507-

1.2005, MOD)

GB/T 16744 Thermal spraying self-fluxing alloy spraying and remelting (GB/T 16744-2002, ISO 14920.1999, MOD)

GB/T 18719 Terminology and classification of thermal spraying (GB/T 18719-2002, ISO 14917.1999, MOD)

GB/T 19824 Thermal spraying thermal spraying operator assessment requirements (GB/T 19824-2005, ISO 14918.1998, MOD)

GB/T 37421 Characterization and testing of thermal spray coatings (GB/T 37421-2019, ISO 14923.2003, MOD)

ISO 14922 Thermal spraying-Quality requirements for manufacturers of thermal spraying coatings (Thermal spraying-Quality requirements)

Note. ISO 14922-1, ISO 14922-2, ISO 14922-3, ISO 14922-4,

ISO 14922-1.1999, ISO 14922-2.1999, ISO 14922-3.1999, ISO 14922-4.1999 have been revised to ISO 14922-2021, and I

The consistency relationship of national standardization documents is as follows.

GB/T 19352.1-2003 Quality requirements for thermal sprayed thermal sprayed structures Part 1. Guidelines for selection and use (ISO 14922-1.1999, IDT)

GB/T 19352.2-2003 Quality requirements for thermal sprayed thermal sprayed structures Part 2. Comprehensive quality requirements (ISO 14922-2.1999, IDT)

GB/T 19352.3-2003 Quality Requirements for Thermal Spraying Thermal Spraying Structures Part 3. Standard Quality Requirements (ISO 14922-3.1999, IDT)

GB/T 19352.4-2003 Quality Requirements for Thermal Spray Thermal Spray Structures Part 4. Basic Quality Requirements (ISO 14922-4.1999, IDT)

ISO 14924 Post-treatment and finishing of thermal spray coatings (Thermal spraying-Post-treatment and fin-

EN473 Non-destructive testing General principles for the qualification and certification of non-destructive testing (NDT) personnel (Non-destructive testing-

EN571-1 Non-destructive testing Penetrant testing Part 1. General (Non-destructive testing-Penetrant testing-strength)

EN13507 Thermal spraying thermal spraying metal parts surface post-treatment

(Thermalspraying-Pre-treatmentof

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