

STN	Žiarové striekanie Stanovenie účinnosti nanášania povlaku pri žiarovom striekaní (ISO 17836: 2017)	STN EN ISO 17836 03 8704
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Thermal spraying - Determination of the deposition efficiency for thermal spraying (ISO 17836:2017)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/18

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English Version

Thermal spraying - Determination of the deposition efficiency for thermal spraying (ISO 17836:2017)

Projection thermique - Détermination du rendement de dépôt en projection thermique (ISO 17836:2017)

Thermisches Spritzen - Bestimmung der Auftragrate beim thermischen Spritzen (ISO 17836:2017)

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EN ISO 17836:2017 (E)

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European foreword

This document (EN ISO 17836:2017) has been prepared by Technical Committee ISO/TC 107 “Metallic and other inorganic coatings” in collaboration with Technical Committee CEN/TC 240 “Thermal spraying and thermally sprayed coatings” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2018, and conflicting national standards shall be withdrawn at the latest by June 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 17836:2017 has been approved by CEN as EN ISO 17836:2017 without any modification.

INTERNATIONAL STANDARD

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Thermal spraying — Determination of the deposition efficiency for thermal spraying

*Projection thermique — Détermination du rendement de dépôt en
projection thermique*



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ISO 17836:2017(E)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by ISO/TC 107, *Metallic and other inorganic coatings*.

This second edition cancels and replaces the first edition (ISO 17836:2004), which has been technically revised.

Introduction

This document includes the definitions for determining the deposition efficiency for thermal spraying. It describes the test procedure to determine the deposition efficiency for an individual spray process and a spray material when using a defined test piece.

The deposition efficiency calculated on a test piece according to this document does not necessarily correspond to the deposition efficiency on a component.

Thermal spraying — Determination of the deposition efficiency for thermal spraying

1 Scope

This document specifies a test procedure to determine the deposition efficiency for thermal spraying. It provides a reliable comparison method between different spray processes and different feed stock.

It is applicable for all thermal spray processes (see ISO 14917) and all wire, rod, cord and powder spray materials.

It is applicable when data concerning the deposition efficiency of a spray process in connection with a defined spray material are required.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 14232-1, *Thermal spraying — Powders — Part 1: Characterization and technical supply conditions*

ISO 14919, *Thermal spraying — Wires, rods and cords for flame and arc spraying — Classification — Technical supply conditions*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN