

STN	<p>Nemagnetické povlaky na magnetických podkladoch. Meranie hrúbky povlaku. Magnetická metóda (ISO 2178: 2016).</p>	<p>STN EN ISO 2178</p> <p>03 8181</p>
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Non-magnetic coatings on magnetic substrates - Measurement of coating thickness - Magnetic method (ISO 2178:2016)

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. 09/16

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Supersedes EN ISO 2178:1995

English Version

**Non-magnetic coatings on magnetic substrates -
Measurement of coating thickness - Magnetic method (ISO
2178:2016)**

Revêtements métalliques non magnétiques sur métal
de base magnétique - Mesurage de l'épaisseur du
revêtement - Méthode magnétique (ISO 2178:2016)

Nichtmagnetische Überzüge auf magnetischen
Grundmetallen - Messen der Schichtdicke -
Magnetverfahren (ISO 2178:2016)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN ISO 2178:2016) has been prepared by Technical Committee ISO/TC 107 "Metallic and other inorganic coatings" in collaboration with Technical Committee CEN/TC 262 "Metallic and other inorganic coatings" the secretariat of which is held by BSI.

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Endorsement notice

The text of ISO 2178:2016 has been approved by CEN as EN ISO 2178:2016 without any modification

Non-magnetic coatings on magnetic substrates — Measurement of coating thickness — Magnetic method

*Revêtement métalliques non magnétiques sur métal de base
magnétique — Mesurage de l'épaisseur du revêtement — Méthode
magnétique*



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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
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Foreword

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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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The committee responsible for this document is ISO/TC 107, *Metallic and other inorganic coatings*.

This third edition cancels and replaces the second edition (ISO 2178:1982), which has been technically revised.

Non-magnetic coatings on magnetic substrates — Measurement of coating thickness — Magnetic method

1 Scope

This International Standard specifies a method for non-destructive measurements of the thickness of non-magnetizable coatings on magnetizable base metals.

The measurements are tactile and non-destructive on typical coatings. The probe or an instrument with integrated probe is placed directly on the coating to be measured. The coating thickness is displayed on the instrument.

In this International Standard the term “coating” is used for material such as, for example, paints and varnishes, electroplated coatings, enamel coatings, plastic coatings, powder coatings, claddings.

NOTE This method can also be applied to the measurement of magnetizable coatings on non-magnetizable base metals or other materials (see ISO 2361).

2 Normative references

The following documents, in whole or in part, are normatively referenced in 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 2064, *Metallic and other inorganic coatings — Definitions and conventions concerning the measurement of thickness*

ISO 4618, *Paints and varnishes — Terms and definitions*

ISO 5725-1:1994, *Accuracy (trueness and precision) of measurement methods and results — Part 1: General principles and definitions*

ISO/IEC Guide 98-3, *Uncertainty of measurement — Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)*

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