

STN	Jemná keramika (špeciálna keramika, špeciálna technická keramika) Vrubová skúška hodnotenia adhézie keramických povlakov podľa Rockwella (ISO 26443: 2023)	STN EN ISO 26443 72 7554
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Fine ceramics (advanced ceramics, advanced technical ceramics) - Rockwell indentation test for evaluation of adhesion of ceramic coatings (ISO 26443:2023)

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. 01/24

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EUROPEAN STANDARD

EN ISO 26443

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EUROPÄISCHE NORM

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English Version

Fine ceramics (advanced ceramics, advanced technical ceramics) - Rockwell indentation test for evaluation of adhesion of ceramic coatings (ISO 26443:2023)

Céramiques techniques - Évaluation de l'adhérence des revêtements céramiques par l'essai de pénétration Rockwell (ISO 26443:2023)

Hochleistungskeramik - Rockwell-Eindringprüfung zur Bewertung der Haftung von keramischen Schichten (ISO 26443:2023)

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EN ISO 26443:2023 (E)

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European foreword

This document (EN ISO 26443:2023) has been prepared by Technical Committee ISO/TC 206 "Fine ceramics" in collaboration with Technical Committee CEN/TC 184 "Advanced technical ceramics" 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of an identical text or by endorsement, at the latest by May 2024, and conflicting national standards shall be withdrawn at the latest by May 2024.

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The text of ISO 26443:2023 has been approved by CEN as EN ISO 26443:2023 without any modification.

INTERNATIONAL STANDARD

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Fine ceramics (advanced ceramics, advanced technical ceramics) — Rockwell indentation test for evaluation of adhesion of ceramic coatings

*Céramiques techniques — Évaluation de l'adhérence des revêtements
céramiques par l'essai de pénétration Rockwell*



Reference number
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ISO 26443:2023(E)

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 document 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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This document was prepared by Technical Committee ISO/TC 206, *Fine ceramics*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 184, *Advanced technical ceramics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 26443:2008), of which it constitutes a minor revision. The changes are as follows:

- table of contents was added;
- normative reference titles were updated;
- units for loads in kgf were deleted.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Fine ceramics (advanced ceramics, advanced technical ceramics) — Rockwell indentation test for evaluation of adhesion of ceramic coatings

1 Scope

This document specifies a method for the qualitative evaluation of the adhesion of ceramic coatings up to 20 µm thick by indentation with a Rockwell diamond indenter. The formation of cracks after indentation can also reveal cohesive failure. The indentations are made with a Rockwell hardness test instrument.

The method described in this document can also be suitable for evaluating the adhesion of metallic coatings.

The test is not suitable for elastic coatings on hard substrates.

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 6508-1, *Metallic materials — Rockwell hardness test — Part 1: Test method*

ISO 6508-2, *Metallic materials — Rockwell hardness test — Part 2: Verification and calibration of testing machines and indenters*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN