

## DIN EN ISO 20502

**DIN**

ICS 81.060.30

Supersedes  
DIN EN 1071-3:2005-10

**Fine ceramics (advanced ceramics, advanced technical ceramics) –  
Determination of adhesion of ceramic coatings by scratch testing  
(ISO 20502:2005 including Cor 1:2009);  
English version EN ISO 20502:2016,  
English translation of DIN EN ISO 20502:2016-11**

Hochleistungskeramik –  
Bestimmung der Haftung von keramischen Schichten mit dem Ritztest (ISO 20502:2005  
einschließlich Cor 1:2009);  
Englische Fassung EN ISO 20502:2016,  
Englische Übersetzung von DIN EN ISO 20502:2016-11

Céramiques techniques –  
Détermination de l'adhérence des revêtements céramiques par essai de rayure  
(ISO 20502:2005, y compris Cor 1:2009);  
Version anglaise EN ISO 20502:2016,  
Traduction anglaise de DIN EN ISO 20502:2016-11

Document comprises 37 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

*A comma is used as the decimal marker.*

## **National foreword**

The text of ISO 20502:2005 including Cor 1:2009 has been prepared by Technical Committee ISO/TC 206 "Fine ceramics" and has been taken over as EN ISO 20502:2016 by Technical Committee CEN/TC 184 "Advanced technical ceramics" (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Materialprüfung* (DIN Standards Committee Materials Testing), Working Committee NA 062 BR *Beirat des DIN-Normenausschusses Materialprüfung (NMP)* since the parties concerned have not shown any interest in work on the subject.

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

ISO 4288	DIN EN ISO 4288
ISO 6508-2	DIN EN ISO 6508-2
ISO/IEC 17025	DIN EN ISO/IEC 17025

### **Amendments**

This standard differs from DIN EN 1071-3:2005-10 as follows:

- a) a number of NOTES have been incorporated in the normative text;
- b) ISO 20502:2005 including Corrigendum 1:2009 has been adopted.

### **Previous editions**

DIN V ENV 1071-3: 1994-06  
DIN EN 1071-3: 2005-10

## **National Annex NA** (informative)

### **Bibliography**

DIN EN ISO 4288, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Rules and procedures for the assessment of surface texture*

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

DIN EN ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 20502

April 2016

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Supersedes EN 1071-3:2005

English Version

**Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of adhesion of ceramic coatings by scratch testing (ISO 20502:2005 including Cor 1:2009)**

Céramiques techniques - Détermination de l'adhérence des revêtements céramiques par essai de rayure  
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Hochleistungskeramik - Bestimmung der Haftung von keramischen Schichten mit dem Ritztest  
(ISO 20502:2005 einschließlich Cor 1:2009)

This European Standard was approved by CEN on 18 March 2016.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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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 October 2016, and conflicting national standards shall be withdrawn at the latest by October 2016.

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

This document supersedes EN 1071-3:2005.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **Endorsement notice**

The text of ISO 20502:2005 including Cor 1:2009, has been approved by CEN as EN ISO 20502:2016 without any modification.