

## Surface roughness characteristics of blast-cleaned steel substrates

Method for the calibration of ISO surface profile comparators and for the determination of surface profile using a stylus instrument (ISO 8503-4:1988)

English version of DIN EN ISO 8503-4

DIN

EN ISO 8503-4

This standard incorporates the English version of **ISO 8503-4**.

ICS 25.220.20; 87.020; 91.080.10

Descriptors: Coatings, surface roughness parameters, steel, surface profile comparators.

Vorbereitung von Stahloberflächen vor dem Auftragen von Beschichtungsmitteln; Rauheitskenngrößen von gestrahlten Stahloberflächen. Teil 4: Verfahren zur Kalibrierung von ISO-Rauheitsvergleichsmustern und zur Bestimmung der Rauheit; Tastschnittverfahren (ISO 8503-4:1988)

**European Standard EN ISO 8503-4: 1995 has the status of a DIN Standard.**

*A comma is used as the decimal marker.*

**National foreword**

This standard has been published in accordance with a decision taken by CEN/TC 139 to adopt, without alteration, International Standard ISO 8503-4 as a European Standard.

The responsible German bodies involved in its preparation were the *Normenausschuß Anstrichstoffe und ähnliche Beschichtungsmittel* (Paints and Varnishes Standards Committee) and the *Normenausschuß Bauwesen* (Building and Civil Engineering Standards Committee), Joint Technical Committee *Korrosionsschutz von Stahlbauten*.

The DIN Standards corresponding to the International Standards referred to in clause 2 of the EN are as follows:

ISO Standard	DIN Standard
ISO 3274	DIN 4768 and DIN 4772
ISO 4287-1	DIN 4762
ISO 4618	DIN 55945 and DIN EN 971-1*)
ISO 8503-1	DIN EN ISO 8503-1
ISO 8503-2	DIN EN ISO 8503-2
ISO 8503-3	DIN EN ISO 8503-3
ISO 8504-2	DIN EN ISO 8504-2*)

**Standards referred to**

(and not included in **References** and **Annex ZA**)

DIN 4762	Surface roughness; concepts, surface and its parameters (identical to ISO 4287-1:1984)
DIN 4768	Determination of surface roughness parameters $R_a$ , $R_z$ , and $R_{max}$ , using electric stylus instruments; concepts and measuring conditions
DIN 4772	Electrical stylus instruments for surface roughness measurement
DIN 55945	Coating materials (paints, varnishes and similar materials); concepts
DIN EN 971-1	Paints and varnishes; vocabulary for coating materials; general concepts*)
DIN EN ISO 8503-1	Surface roughness characteristics of blast-cleaned steel substrates; specifications and definitions for ISO surface profile comparators for the assessment of abrasive blast-cleaned surfaces (ISO 8503-1:1988)
DIN EN ISO 8503-2	Surface roughness characteristics of blast-cleaned steel substrates; method for the grading of surface profile of abrasive blast-cleaned substrates using a comparator (ISO 8503-2:1988)
DIN EN ISO 8503-3	Surface roughness characteristics of blast-cleaned steel substrates; method for the calibration of ISO surface profile comparators and for the determination of surface profile using a focusing microscope (ISO 8503-3:1988)
DIN EN ISO 8504-2	Preparation of steel substrates before application of paints and related products; surface preparation methods; abrasive blast-cleaning (ISO 8504-2:1992)*)

\*) At present at the stage of draft.

EN comprises 11 pages.



ICS 25.220.20; 87.020; 91.080.10

Descriptors: Coatings, surface roughness parameters, steel, surface profile comparators.

**English version**

Preparation of steel substrates before application of paints and related products  
**Surface roughness characteristics of blast-cleaned  
steel substrates**

Part 4: Method for the calibration of ISO surface profile comparators and  
for the determination of surface profile; stylus instrument procedure  
(ISO 8503-4:1988)

Préparation des subjectiles d'acier avant  
application de peintures et de produits  
assimilés; caractéristiques de rugosité  
des subjectiles d'acier décapés. Partie 4:  
Méthode pour étalonner les échantillons  
de comparaison viso-tactile ISO et pour  
caractériser un profil de surface; utilisati-  
on d'un appareil à palpeur  
(ISO 8503-4:1988)

Vorbereitung von Stahloberflächen vor  
dem Auftragen von Beschichtungsstoffen;  
Rauheitskenngrößen von gestrahlten  
Stahloberflächen. Teil 4: Verfahren zur  
Kalibrierung von ISO-Rauheitsvergleichs-  
mustern und zur Bestimmung der  
Rauheit; Tastschnittverfahren  
(ISO 8503-4:1988)

This European Standard was approved by CEN on 1995-03-14 and is identical to the ISO Standard as referred to.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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**CEN**

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Comité Européen de Normalisation  
Europäisches Komitee für Normung

**Central Secretariat: rue de Stassart 36, B-1050 Brussels**