



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN ISO 8501-1:2007

ICS 25.220.10

**PREPARATION OF STEEL SUBSTRATES
BEFORE APPLICATION OF PAINTS AND
RELATED PRODUCTS - VISUAL
ASSESSMENT OF SURFACE CLEANLINESS -
PART 1: RUST GRADES AND PREPARATION
GRADES OF UNCOATED STEEL
SUBSTRATES AND OF STEEL SUBSTRATES
AFTER OVERALL REMOVAL OF PREVIOUS
COATINGS (ISO 8501-1:2007)**

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EUROPEAN STANDARD

EN ISO 8501-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2007

ICS 25.220.10

Supersedes EN ISO 8501-1:2001, EN ISO 8501-1:2001/Supplement

English Version

Preparation of steel substrates before application of paints and related products - Visual assessment of surface cleanliness - Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings (ISO 8501-1:2007)

Préparation des subjectiles d'acier avant application de peintures et de produits assimilés - Évaluation visuelle de la propreté d'un subjectile - Partie 1: Degrés de rouille et degrés de préparation des subjectiles d'acier non recouverts et des subjectiles d'acier après décapage sur toute la surface des revêtements précédents (ISO 8501-1:2007)

Vorbereitung von Stahloberflächen vor dem Auftragen von Beschichtungsstoffen - Visuelle Beurteilung der Oberflächenreinheit - Teil 1: Rostgrade und Oberflächenvorbereitungsgrade von unbeschichteten Stahloberflächen und Stahloberflächen nach ganzflächigem Entfernen vorhandener Beschichtungen (ISO 8501-1:2007)

This European Standard was approved by CEN on 16 November 2006.

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 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 Management Centre has the same status as the official versions.

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

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EN ISO 8501-1:2007 (E)

Foreword

This document (EN ISO 8501-1:2007) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 139 "Paints and varnishes", 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 November 2007, and conflicting national standards shall be withdrawn at the latest by November 2007.

This document supersedes EN ISO 8501-1:2001 and EN ISO 8501-1:2001/Supplement.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 8501-1:2007 has been approved by CEN as EN ISO 8501-1:2007 without any modifications.

This second edition cancels and replaces the first edition (ISO 8501-1:1988). The main change is that the Informative Supplement ISO 8501-1:1988/Suppl.1994 has been included as Annex A.

ISO 8501 consists of the following parts, under the general title *Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness*:

- *Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings*
- *Part 2: Preparation grades of previously coated steel substrates after localized removal of previous coatings*
- *Part 3: Preparation grades of welds, edges and other areas with surface imperfections*
- *Part 4: Initial surface conditions, preparation grades and flash rust grades in connection with high-pressure water jetting*

IMPORTANT — The reference photographs utilized for the assessment of steel surfaces when using this part of ISO 8501 are not included in this electronic file because the quality of their reproduction is subject to change when they are viewed on screen or printed out. It is important that only the photographs contained in officially printed versions of this part of ISO 8501, purchased from ISO or from ISO member bodies or their distributors, are used when carrying out assessments.

IMPORTANT — Les clichés photographiques représentatifs servant à l'évaluation visuelle des subjectiles en acier à l'aide de la présente partie de l'ISO 8501 ne sont pas inclus dans le présent fichier électronique parce que la qualité de leur reproduction ne peut être garantie lorsqu'ils sont affichés à l'écran ou imprimés. Il est important que seuls les clichés photographiques contenus dans les versions officielles de la présente partie de l'ISO 8501, achetées auprès de l'ISO, des comités membres de l'ISO ou de leurs distributeurs, soient utilisés lors des évaluations.

INTERNATIONAL STANDARD

ISO 8501-1

NORME INTERNATIONALE

Second edition
Deuxième édition
2007-05-01

Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness —

Part 1:

Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings

Préparation des subjectiles d'acier avant application de peintures et de produits assimilés — Évaluation visuelle de la propreté d'un subjectile —

Partie 1:

Degrés de rouille et degrés de préparation des subjectiles d'acier non recouverts et des subjectiles d'acier après décapage sur toute la surface des revêtements précédents



Reference number
Numéro de référence
ISO 8501-1:2007(E/F)

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