



National Standards Authority of Ireland

STANDARD

I.S. EN 10169-1:2004

ICS 25.220.60
77.140.50

**CONTINUOUSLY ORGANIC COATED (COIL
COATED) STEEL FLAT PRODUCTS - PART 1:
GENERAL INFORMATION (DEFINITIONS,
MATERIALS, TOLERANCES, TEST METHODS)**

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EUROPEAN STANDARD

EN 10169-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2003

ICS 25.220.60; 77.140.50

Supersedes EN 10169-1:1996

English version

**Continuously organic coated (coil coated) steel flat products -
Part 1: General information (definitions, materials, tolerances,
test methods)**

Produits plats en acier revêtus en continu de matières
organiques (prélaqués) - Partie 1: Généralités (définitions,
matériaux, tolérances, méthodes d'essai)

Kontinuierlich organisch beschichtete (bandbeschichtete)
Flacherzeugnisse aus Stahl - Teil 1: Allgemeines
(Definitionen, Werkstoffe, Grenzabweichungen,
Prüfverfahren)

This European Standard was approved by CEN on 25 April 2003.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

This document (EN 10169-1:2003) has been prepared by Technical Committee ECISS/TC 27 “Surface coated flat products - Qualities, dimensions, tolerances and specific tests”, 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of an identical text or by endorsement, at the latest by June 2004, and conflicting national standards shall be withdrawn at the latest by June 2004.

This document supersedes EN 10169-1:1996.

This European Standard consists of the following parts under the general title *Continuously organic coated (coil coated) steel flat products*:

- Part 1: General information (definitions, materials, tolerances, test methods);
- Part 2: Products for building exterior applications (ENV);
- Part 3: Products for building interior applications.

Annex A is informative.

This document includes a bibliography.

This document supersedes EN 10169-1:1996

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

EN 10169-1:2003 (E)

1 Scope

1.1 This European Standard provides information on the selection and ordering of continuously organic coated (coil coated) steel flat products and specifies appropriate technical requirements for the products, e.g. for test methods and tolerances on coating thickness, appearance, and product dimensions and shape.

This European Standard applies to rolled steel flat products, with or without metallic coatings, that are continuously organic coated by the coil coating process.

This European Standard applies to strip of all widths and to sheets cut from it (≥ 600 mm width) and cut lengths (< 600 mm width).

1.2 The products covered by this European Standard may be used to advantage in cases where corrosion resistance and decorative appearance are of primary importance. They have applications throughout the flat products processing industry, e.g. in the building construction, automotive, appliances, furniture and technical packaging industries.

Coil coated steel flat products may be delivered in numerous type and grades, depending on the base material used (various grades of steel with or without metallic coating), on the coating material and coating type and on the requirements for the surface appearance, the formability and general performance. The properties of the products may vary within greater or smaller limits depending on the choice and combination of the characteristics mentioned and the time of storage.

1.3 For specific applications of coil coated steel flat products ENV 10169-2 and EN 10169-3 apply.

1.4 This European Standard is not applicable to continuously organic coated

- tin mill flat products,
- electrical steels,
- steel strapping.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 971-1, *Paints and varnishes - Terms and definitions for coating materials - Part 1: General terms.*

EN 10020, *Definition and classification of grades of steel.*

EN 10021, *General technical delivery requirements for steel and steel products.*

EN 10025, *Hot rolled products of non-alloy structural steels - Technical delivery conditions.*

EN 10027-1, *Designation systems for steel – Part 1: Steel names - principal symbols.*

EN 10027-2, *Designation systems for steel – Part 2: Numerical system.*

EN 10048, *Hot rolled narrow steel strip – Tolerances on dimensions and shape.*

EN 10051, *Continuously hot-rolled uncoated plate, sheet and strip of non-alloy and alloy steels – Tolerances on dimensions and shape.*

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