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NSAI Standards

Irish Standard
I.S. EN 10169:2022

Continuously organic coated (coil coated) steel flat products - Technical delivery conditions

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National Foreword

I.S. EN 10169:2022 is the adopted Irish version of the European Document EN 10169:2022, Continuously organic coated (coil coated) steel flat products - Technical delivery conditions

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 10169

March 2022

ICS 25.220.60; 77.140.50

Supersedes EN 10169:2010+A1:2012

English Version

Continuously organic coated (coil coated) steel flat products - Technical delivery conditions

Produits plats en acier revêtus en continu de matières organiques (prélaqués) - Conditions techniques de livraison

Kontinuierlich organisch beschichtete (bandbeschichtete) Flacherzeugnisse aus Stahl - Technische Lieferbedingungen

This European Standard was approved by CEN on 24 January 2022.

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European foreword

This document (EN 10169:2022) has been prepared by Technical Committee CEN/TC 459/SC 9 "Coated and uncoated flat products to be used for cold forming", the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by September 2022, and conflicting national standards shall be withdrawn at the latest by September 2022.

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

This document supersedes EN 10169:2010+A1:2012.

In comparison with the previous edition, the following technical modifications have been made:

— addition of the requirement about a maximum six-month duration between production and processing of the coil coated product;

— addition of the corrosion resistance category RC5+ corresponding to very high corrosivity category C5 combining RC5-I and RC5-M that have been removed from this document;

— addition of the UV resistance category R_{uv5};

— addition of third party supervision for natural weathering tests if a certificate is required by the purchaser;

— definition of a four-year test duration for corrosion resistance category RC5+;

— definition of requirements for natural outdoor UV radiation resistance tests;

— removal of Geleen from the list of natural outdoor corrosivity exposure sites;

— editorial improvements and updating of normative references.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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

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1 Scope

This document specifies requirements for continuously organic coated (coil coated) steel flat products. It particularly specifies the performance requirements.

The products covered are wide strip, sheet cut from wide strip, slit wide strip, strip rolled in widths less than 600 mm and cut lengths (from sheet or strip).

NOTE National provisions can set up relationships between the performances of the coatings as required in this document and the outdoor atmospheres and ambiances required for a relevant building under study.

This document is not applicable to continuously organic coated flat products made of:

— tin mill products;

— electrical steels.

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.

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

EN 10021, *General technical delivery conditions for steel products*

EN 10025-1, *Hot rolled products of structural steels - Part 1: General technical delivery conditions*

EN 10025-2, *Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels*

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

EN 10051, *Continuously hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels - Tolerances on dimensions and shape*

EN 10079, *Definition of steel products*

EN 10111, *Continuously hot rolled low carbon steel sheet and strip for cold forming - Technical delivery conditions*

EN 10130, *Cold rolled low carbon steel flat products for cold forming - Technical delivery conditions*

EN 10131, *Cold rolled uncoated and zinc or zinc-nickel electrolytically coated low carbon and high yield strength steel flat products for cold forming - Tolerances on dimensions and shape*

EN 10139, *Cold rolled uncoated mild steel narrow strip for cold forming - Technical delivery conditions*

EN 10140, *Cold rolled narrow steel strip - Tolerances on dimensions and shape*

EN 10143, *Continuously hot-dip coated steel sheet and strip - Tolerances on dimensions and shape*

EN 10152, *Electrolytically zinc coated cold rolled steel flat products for cold forming - Technical delivery conditions*

EN 10204, *Metallic products - Types of inspection documents*

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