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National Standards Authority of Ireland

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CONTINUOUSLY HOT-DIP COATED STRIP AND SHEET OF STRUCTURAL STEELS - TECHNICAL DELIVERY CONDITIONS

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English version

Continuously hot-dip coated strip and sheet of structural steels - Technical delivery conditions

Bandes et tôles en aciers de construction doux revêtues en continu par immersion à chaud - Conditions techniques de livraison

Kontinuierlich schmelztauchveredeltes Band und Blech aus Baustählen - Technische Lieferbedingungen

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Contents

page

Foreword ... 3
1 Scope ... 4
2 Normative references ... 4
3 Terms and definitions ... 5
4 Classification and designation ... 5
4.1 Classification ... 5
4.2 Designation ... 5
5 Information to be supplied by the purchaser ... 6
5.1 Mandatory information ... 6
5.2 Options ... 6
6 Manufacturing process ... 7
7 Requirements ... 7
7.1 Chemical composition ... 7
7.2 Mechanical properties ... 8
7.3 Coatings ... 9
7.4 Coating finish (see Tables 4 to 6) ... 10
7.5 Surface quality ... 10
7.6 Surface treatment (surface protection) ... 12
7.7 Freedom from coil breaks ... 13
7.8 Coating mass ... 13
7.9 Adhesion of coating ... 13
7.10 Surface condition ... 13
7.11 Tolerances on dimensions and shape ... 14
7.12 Suitability for further processing ... 14
8 Testing ... 14
8.1 General ... 14
8.2 Test units ... 14
8.3 Number of tests ... 14
8.4 Sampling ... 14
8.5 Test methods ... 15
8.6 Retests ... 15
9 Marking ... 16
10 Packing ... 16
11 Storage and transportation ... 16
12 Disputes ... 16
Annex A (normative) Reference method for determination of the zinc, zinc-aluminium and aluminium-zinc coating mass ... 17
Annex B (normative) Reference method for determination of the aluminium-silicon coating mass ... 18
Annex C (normative) Method for determination of the mass of the Al-Fe-Si alloy layer ... 19
Bibliography ... 20

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Foreword

This document (EN 10326:2004) 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 January 2005, and conflicting national standards shall be withdrawn at the latest by January 2005.

This document supersedes EN 10147:2000 and, together with EN 10327, it also supersedes EN 10154:2002, EN 10214:1995 and EN 10215:1995.

This document includes a Bibliography.

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

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1 Scope

1.1 This document specifies requirements for continuously hot-dip coated products made of structural steels coated with zinc (Z), zinc-iron alloy (ZF), zinc-aluminium alloy (ZA), aluminium-zinc alloy (AZ) and aluminium-silicon alloy (AS) (see Table 1) with thicknesses from 0,35 mm up to 3,0 mm unless otherwise agreed (see 1.2). The thickness is the final thickness of the delivered product after coating.

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

1.2 If agreed at the time of enquiry and order, this document may also be applied to continuously hot-dip coated flat products in thicknesses > 3,0 mm. In this case the mechanical property, adhesion of coating and surface condition requirements shall also be agreed at the time of enquiry and order.

1.3 The products covered by this document are mainly used where minimum yield strength and corrosion resistance are the most important factors. Corrosion resistance of the alloy is proportional to the coating thickness, hence to its mass (see also 7.3.2).

NOTE +ZF coated products should not be used without additional organic coating.

1.4 This document is not applicable to:

- continuously hot-dip coated flat products of low-carbon steel strip and sheet for cold forming (see EN 10327);
- electrolytic galvanized cold rolled steel flat products (see EN 10152);
- continuously organic coated (coil coated) flat steel products (see EN 10169-1, ENV 10169-2 and EN 10169-3);
- continuously hot-dip coated strip and sheet of steels with higher yield strength for cold forming (see EN 10292).

2 Normative references

The following referenced documents are indispensable for the application 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 10002-1, *Metallic materials - Tensile testing - Part 1: Method of test at ambient temperature.*

EN 10020:2000, *Definition and classification of grades of steel.*

EN 10021:1993*, General technical delivery requirements for steel and steel products.*

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

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

EN 10079:1992, *Definition of steel products.*

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

EN 10204:1991, *Metallic products - Types of inspection documents.*

CR 10260, *Designation systems for steel - Additional symbols.*

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