

**Fully supported metal sheet and strip
for roofing, external cladding and
internal lining - Product specification
and requirements**

Fully supported metal sheet and strip for roofing,
external cladding and internal lining - Product
specification and requirements

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14783:2006 sisaldab Euroopa standardi EN 14783:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 27.10.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14783:2006 consists of the English text of the European standard EN 14783:2006.</p> <p>This document is endorsed on 27.10.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard specifies the terminology, requirements and test methods for metal coil, strip, and flat sheets and factory made pieces intended for fully supported applications in roofing and wall cladding or lining. It does not apply to products manufactured on site. This European Standard covers fully-supported aluminium, copper, lead, steel, stainless steel and zinc products with or without coatings, e.g. metallic, organic, inorganic or multi-layer (see Annex A). This European Standard also includes rules for marking, labelling and evaluation of conformity. Requirements concerning acoustical and insulation properties are not considered in this European Standard. This European Standard does not include calculation or design requirements with regards to the works, installation techniques or the performance of the installed products.</p>	<p>Scope:</p> <p>This European Standard specifies the terminology, requirements and test methods for metal coil, strip, and flat sheets and factory made pieces intended for fully supported applications in roofing and wall cladding or lining. It does not apply to products manufactured on site. This European Standard covers fully-supported aluminium, copper, lead, steel, stainless steel and zinc products with or without coatings, e.g. metallic, organic, inorganic or multi-layer (see Annex A). This European Standard also includes rules for marking, labelling and evaluation of conformity. Requirements concerning acoustical and insulation properties are not considered in this European Standard. This European Standard does not include calculation or design requirements with regards to the works, installation techniques or the performance of the installed products.</p>
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ICS 77.140.50, 77.150.01, 91.060.10, 91.060.20

Võtmesõnad:

ICS 77.140.50; 77.150.01; 91.060.10; 91.060.20

English Version

Fully supported metal sheet and strip for roofing, external
cladding and internal lining - Product specification and
requirements

Tôles et bandes métalliques totalement supportées pour
couverture, bardages extérieur et intérieur - Spécification
de produit et exigences

Vollflächig unterstützte Dachdeckungs- und
Wandbekleidungselemente für die Innen- und
Außenanwendung aus Metallblech - Produktspezifikation
und Anforderungen

This European Standard was approved by CEN on 6 August 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 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.

CEN members are the national standards bodies of Austria, Belgium, 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.



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Foreword

This document (EN 14783:2006) has been prepared by Technical Committee CEN/TC 128 "Roof covering products for discontinuous laying and products for wall cladding", the secretariat of which is held by IBN/BIN.

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 March 2007, and conflicting national standards shall be withdrawn at the latest by June 2008.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This European Standard specifies the terminology, requirements and test methods for metal coil, strip, and flat sheets and factory made pieces intended for fully supported applications in roofing and wall cladding or lining. It does not apply to products manufactured on site.

This European Standard covers fully-supported aluminium, copper, lead, steel, stainless steel and zinc products with or without coatings, e.g. metallic, organic, inorganic or multi-layer (see Annex A).

This European Standard also includes rules for marking, labelling and evaluation of conformity.

Requirements concerning acoustical and insulation properties are not considered in this European Standard.

This European Standard does not include calculation or design requirements with regards to the works, installation techniques or the performance of the installed products.

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 501, *Roofing products from metal sheet — Specification for fully supported roofing products of zinc sheet*

EN 502, *Roofing products from metal sheet — Specification for fully supported roofing products of stainless steel sheet*

EN 504, *Roofing products from metal sheet — Specification for fully supported roofing products of copper sheet*

EN 505, *Roofing products from metal sheet — Specification for fully supported roofing products of steel sheet*

EN 507, *Roofing products from metal sheet — Specification for fully supported roofing products of aluminium sheet*

ENV 1187, *Test methods for external fire exposure to roofs*

EN 1427, *Bitumen and bituminous binders — Determination of softening point — Ring and Ball method*

EN 10088-1, *Stainless steels — Part 1: List of stainless steels*

EN 12588, *Lead and lead alloys — Rolled lead sheet for building purposes*

EN 13501-1, *Fire classification of construction products and building elements — Part 1: Classification using test data from reaction to fire tests*

EN 13501-5, *Fire classification of construction products and building elements — Part 5: Classification using data from external fire exposure to roofs tests*

EN 13823, *Reaction to fire tests for building products — Building products excluding floorings exposed to the thermal attack by a single burning item*

EN ISO 6270-1, *Paints and varnishes — Determination of resistance to humidity — Part 1: Continuous condensation (ISO 6270-1:1998)*

EN ISO 6988, *Metallic and other non-organic coatings — Sulphur dioxide test with general condensation of moisture* (ISO 6988:1985)

EN ISO 9001, *Quality management systems — Requirements* (ISO 9001:2000)

EN ISO 9227, *Corrosion tests in artificial atmospheres — Salt spray tests* (ISO 9227:2006)

EN ISO 11925-2, *Reaction to fire tests — Ignitability of building products subjected to direct impingement of flame — Part 2: Single-flame source test* (ISO 11925-2:2002)

3 Terms and definitions

For the purposes of this document, the terms and definitions in EN 501, EN 502, EN 504, EN 505, EN 507, EN 12588 and the following apply.

3.1

base material

coated or non-coated coil, strip or flat sheet of metal used for the production of a roofing, cladding or lining product according to this European Standard

4 Requirements

4.1 Materials

The materials for the fully supported metal products specified in this European Standard shall be in accordance with the relevant material standards listed in EN 501, EN 502, EN 504, EN 505, EN 507 and EN 12588.

NOTE EN 10142:2000, EN 10147:2000, EN 10214:1995 and EN 10215:1995 mentioned in EN 505 have been replaced by EN 10326:2004 and EN 10327:2004.

4.2 Nominal thickness

The nominal thickness of the fully supported metal products (excluding any organic, inorganic or multilayer coating) shall be equal to or greater than the values given in Table 1 as specified in EN 501, EN 502, EN 504, EN 505, EN 507 and EN 12588.