

Roofing products from metal sheet - Specification for self-supporting products of copper or zinc sheet

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self-supporting products of copper or zinc sheet

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 506:2001 sisaldab Euroopa standardi EN 506:2000 ingliskeelset teksti.	This Estonian standard EVS-EN 506:2001 consists of the English text of the European standard EN 506:2000.
Käesolev dokument on jõustatud 16.02.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 16.02.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: This Standard specifies requirements for self supporting roofing products for discontinuous laying made from copper or zinc-copper-titanium alloy sheet with or without additional organic coatings. The standard establishes general characteristics, definitions and labelling for the products, together with requirements for the materials from which the products can be manufactured. It is intended to be used either by manufacturers to ensure that their products comply with the requirements or by purchasers to verify that the products comply before they are despatched from the factory. It specifies the requirements for products which enable them to meet all normal service conditions. The standard applies to all discontinuously laid self supporting external profiled sheets for roofing. These profiled roof sheets are designed to keep wind, rain and snow out of the building and to transfer any resultant loads and infrequent maintenance loads to the structure.	Scope: This Standard specifies requirements for self supporting roofing products for discontinuous laying made from copper or zinc-copper-titanium alloy sheet with or without additional organic coatings. The standard establishes general characteristics, definitions and labelling for the products, together with requirements for the materials from which the products can be manufactured. It is intended to be used either by manufacturers to ensure that their products comply with the requirements or by purchasers to verify that the products comply before they are despatched from the factory. It specifies the requirements for products which enable them to meet all normal service conditions. The standard applies to all discontinuously laid self supporting external profiled sheets for roofing. These profiled roof sheets are designed to keep wind, rain and snow out of the building and to transfer any resultant loads and infrequent maintenance loads to the structure.
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ICS 91.060.20

Võtmesõnad: characteristics, chemical composition, copper, copper alloys, designations, dimensional tolerances, dimensions, marking, metal plates, metal roofing, pitched roofs, quality control, roofs, specifications, zinc alloys, tests, titanium alloys

Standardite reprodutseerimis- ja levitamiseõigus kuulub Eesti Standardikeskusele

English version

Roofing products from metal sheet

Specification for self-supporting products of copper or zinc sheet

Produits de couverture en tôle
métallique – Spécification pour les
plaques de couverture en tôle de
cuivre ou de zinc

Dachdeckungsprodukte aus
Metallblech – Festlegungen für
selbsttragende Bedachungselemente
aus Kupfer- oder Zinkblech

This European Standard was approved by CEN on 1999-12-03.

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.

The European Standards exist 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard 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.

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 2001, and conflicting national standards shall be withdrawn at the latest by March 2001.

This European Standard 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).

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Annex A of this European standard is normative, the annexes B, C and D are informative.

Introduction

Figure 1 indicates the position of this standard in the CEN framework of standards concerning roofing product of metal.

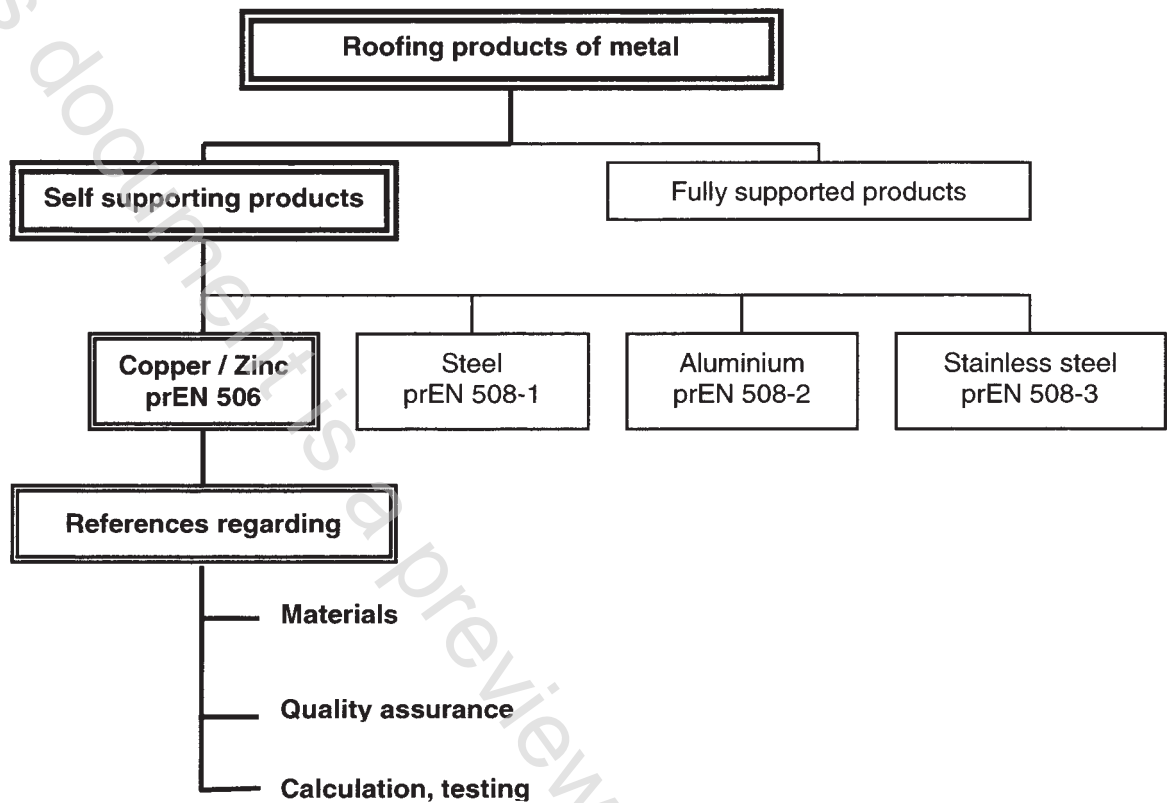


Figure 1 — Framework of standards

In this standard the performance of the product has been defined in terms of calculation and a number of type tests.

The performance of a roof constructed with these products depends not only on the properties of the product as required by this standard, but also on the design, construction and performance of the roof as a whole in relation to the environment and conditions of use.

1 Scope

This European Standard specifies requirements for self supporting roofing products for discontinuous laying made from copper or zinc-copper-titanium alloy sheet with or without additional organic coatings.

The standard establishes general characteristics, definitions and labelling for the products, together with requirements for the materials from which the products can be manufactured. It is intended to be used either by manufacturers to ensure that their products comply with the requirements or by purchasers to verify that the products comply before they are despatched from the factory. It specifies the requirements for products which enable them to meet all normal service conditions.

The standard applies to all discontinuously laid self supporting external profiled sheets for roofing. These profiled roof sheets are designed to keep wind, rain and snow out of the building and to transfer any resultant loads and infrequent maintenance loads to the structure.

No requirements for supporting construction, design of roof system and execution of connections and flashings are included.

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.

EN 988, *Zinc and zinc alloys - Specification for rolled flat products for building.*

EN 1172, *Copper and copper alloys - Sheet and strip for building purposes.*

3 Terms, definitions and terminology

For the purposes of this European Standard, the following terms, definitions and terminology apply.

3.1 Self supporting product

A product which will, by virtue of its material and shape, support all applied loadings (e.g. snow, wind, foot traffic) and transmit these loadings to discretely spaced structural supports.

3.2 Materials

3.2.1

copper

cold rolled copper sheets of grade Cu-DHP, phosphorus-deoxidized copper - high residual phosphorus

NOTE 1 The chemical composition is given in EN 1172.

NOTE 2 The system used for designating the materials specified in this standard is based on ISO 431 and ISO 1190-1.

3.2.2

zinc-copper-titanium

the definition of the material is as given in EN 988

3.2.3

organic coated zinc-copper-titanium

painted, laminated or coil coated (continuously organic coated) zinc-copper-titanium sheet