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ISEKANDVATE TERASEST, ALUMIINIUMIST JA
ROOSTEVABAST TERASEST PLEKIST VALMISTATUD
TOODETE SPETSIFIKATSIOON. OSA 3: ROOSTEVABA
TERAS

Roofing and cladding products from metal sheet -
Specification for self-supporting products of steel,
aluminium or stainless steel sheet - Part 3: Stainless
steel

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 508-3:2021+A1:2023 sisaldab Euroopa standardi EN 508-3:2021+A1:2023 ingliskeelset teksti.	This Estonian standard EVS-EN 508-3:2021+A1:2023 consists of the English text of the European standard EN 508-3:2021+A1:2023.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 12.07.2023.	Date of Availability of the European standard is 12.07.2023.
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English Version

Roofing and cladding products from metal sheet - Specification for self-supporting products of steel, aluminium or stainless steel sheet - Part 3: Stainless steel

Produits de couverture et bardage en tôle métallique -
Spécification pour les produits autoportants en tôle
d'acier, d'aluminium ou d'acier inoxydable - Partie 3 :
Acier inoxydable

Dachdeckungs- und Wandbekleidungsprodukte aus
Metallblech - Spezifikation für selbsttragende
Dachdeckungsprodukte aus Stahlblech,
Aluminiumblech oder nichtrostendem Stahlblech - Teil
3: Nichtrostendes Stahlblech

This European Standard was approved by CEN on 11 July 2021 and includes Amendment approved by CEN on 27 April 2023.

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

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European foreword

This document (EN 508-3:2021+A1:2023) 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 NBN.

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of an identical text or by endorsement, at the latest by January 2024, and conflicting national standards shall be withdrawn at the latest by January 2024.

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 includes Amendment 1 approved by CEN on 27 April 2023.

This document supersedes A1 EN 508-3:2021 A1.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

In comparison with EN 508-3:2008, the following technical changes have been made:

- scope of the document has been extended to cladding products;
- grades have been added;
- clarification has been done about tolerances of liner trays.

These changes or additions can be found in the following clauses and subclauses: Clause 1; Clause 2; 3.2.3; 4.2.1; 4.2.4; 4.3.5; 4.3.5.2; 4.3.5.3; Annex A and the Bibliography.

EN 508, *Roofing and cladding products from metal sheet — Specification for self-supporting products of steel, aluminium or stainless steel sheet*, consists of the following parts:

- *Part 1: Steel;*
- *Part 2: Aluminium;*
- *Part 3: Stainless steel.*

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, Türkiye and the United Kingdom.

Introduction

Figure 1 indicates the position of this document in the CEN framework of standards concerning roofing products of metal sheet.

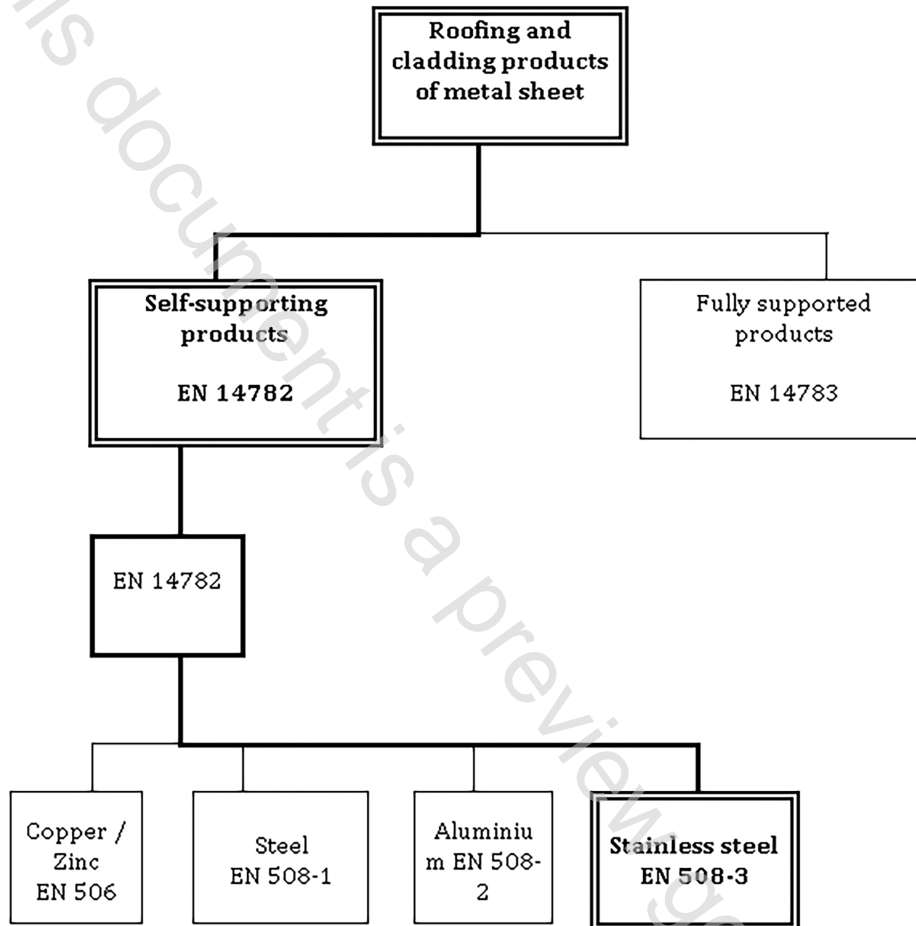


Figure 1 — Framework of standards

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

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

1 Scope

This part of EN 508 specifies requirements for self-supporting products for roof covering, wall cladding, lining, liner tray and tile products for discontinuous laying made from stainless steel sheets with or without additional metallic and/or organic coatings. Sheets intended to be used with insulation and membranes are also covered.

This document establishes general characteristics, definitions, classifications 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 dispatched from the factory. It specifies the requirements for products which enable them to meet all normal service conditions.

This document applies to all discontinuously laid self-supporting external profiled sheets for roof covering, wall cladding, lining, liner trays and tile products with the exception of tiles with a surface area less than 1 m² and produced by stamping. 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.

This document does not cover products for structural purposes, i.e. it does cover products used in structural class III (according to EN 1993-1-3), it does not cover products used in constructions of structural classes I and II (according to EN 1993-1-3) intended to contribute to the global or partial stability of the building structure by providing racking resistance or resistance to permanent static loads (excluding self-weight of the metal sheet).

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

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

EN 10088-4, *Stainless steels - Part 4: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for construction purposes*

EN 14782, *Self-supporting metal sheet for roofing, external cladding and internal lining - Product specification and requirements*

EN ISO 9445-1, *Continuously cold-rolled stainless steel - Tolerances on dimensions and form - Part 1: Narrow strip and cut lengths (ISO 9445-1)*

EN ISO 9445-2, *Continuously cold-rolled stainless steel - Tolerances on dimensions and form - Part 2: Wide strip and plate/sheet (ISO 9445-2)*