

Alumiinium ja alumiiniumisulamid. Astmeplaadid. Tehnilised nõuded

Aluminium and aluminium alloys - Tread plate -
Specifications

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1386:2000 sisaldab Euroopa standardi EN 1386:1996 ingliskeelset teksti.	This Estonian standard EVS-EN 1386:2000 consists of the English text of the European standard EN 1386:1996.
Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 11.01.2000 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: See Euroopa standard määrab kindlaks deformeeritavast alumiiniumist ja alumiiniumisulamitest lehtede, ribade ja plaatide tehnilised kontrolli- ja tarnetingimused, samuti nende mehaanilised omadused, mõõtmeterantsid ning teised nõuded. Standard kehtib lehtede, ribade ja plaatide kohta, mis on valtsitud lamedaks ning mille ühel küljel on reljeefne muster ja teise külje pind on sile. Standard hõlmab lehti, ribasid ja plaate paksusega 1,2 mm kuni 20 mm ja laiusel kuni 2500 mm ning lehti ja plaate pikkusega kuni 12 500 mm. Sellele standardile vastavaid tooteid kasutatakse peamiselt põrandate katmiseks, näiteks liiklusvahendites, laevaehituses ning metalltarindites.	Scope:
---	---------------

ICS 77.150.10

Võtmesõnad: alumiinium, alumiiniumisulamid, kontroll, mehaanilised omadused, metallplaat, metallribad, mõõtmeterantsid, müügidokumendid, paksus, tarnimine, tehnilised andmed, tellimused, tõmbeteimid, valtsstooted

ICS 77.120.10; 77.140.90

Descriptors: Aluminium, tread plate.

English version

Aluminium and aluminium alloys

**Tread plate
Specifications**

Aluminium et alliages d'aluminium – Tôles
relief – Spécifications

Aluminium und Aluminiumlegierungen –
Bleche mit eingewalzten Mustern –
Spezifikationen

This European Standard was approved by CEN on 1996-11-24.

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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, 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

Contents

Foreword	2
1 Scope	3
2 Normative references	3
3 Definitions	4
3.1 raised pattern	4
3.2 nominal thickness	4
3.3 pattern types	4
4 Technical conditions for inspection and delivery	6
4.1 Orders or tenders	6
4.2 Freedom from defects	7
4.3 Other conditions	7
5 Mechanical properties	7
5.1 Tensile test	7
5.2 Bend test	12
5.3 Exfoliation corrosion resistance (5xxx series alloys).....	13
6 Tolerances on dimensions and form	14
6.1 Height of the raised pattern	14
6.2 Specified thickness	15
6.3 Width and length	15
6.4 Straightness of the longitudinal edge	15
6.5 Flatness	16
6.6 Squareness	19
Annex A (normative) Rules for rounding	20

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 132 "Aluminium and aluminium alloys", 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 June 1997, and conflicting national standards shall be withdrawn at the latest by June 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies the technical conditions for inspection and delivery, mechanical properties, tolerances on dimensions and other requirements for wrought aluminium and aluminium alloy sheets, strips and plates, rolled flat with a raised pattern on one side and a smooth surface on the other side.

It applies to sheets, strips and plates 1,2 mm to 20 mm in thickness and up to and including 2 500 mm in width, and to sheets and plates up to 12 500 mm in length.

Products in accordance with this standard are mainly used as floor plating, e.g. in vehicle construction, shipbuilding and metallic structures.

This standard is applicable in conjunction with EN 485-1 which specifies the technical conditions for inspection and delivery for wrought aluminium and aluminium alloy sheets, strips and plates.

The chemical composition limits for these materials are specified in EN 573-3.

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 485-1	Aluminium and aluminium alloys - Sheet, strip and plate - Part 1 : Technical conditions for inspection and delivery
EN 515	Aluminium and aluminium alloys - Wrought products - Temper designations
EN 573-3	Aluminium and aluminium alloys - Chemical composition and form of wrought products - Part 3 : Chemical composition
EN 10002-1	Metallic materials - Tensile testing - Part 1 : Method of test (including amendment 1:1990)
ISO 7438	Metallic materials - Bend test
ASTM G66 - 86	Visual assessment of exfoliation corrosion susceptibility of 5xxx series aluminium alloys (ASSET test)