



# SLOVENSKI STANDARD

## SIST EN 12482-2:1999

01-november-1999

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### Aluminij in aluminijeve zlitine - Predvaljani trakovi za splošno uporabo - 2. del: Specifikacije za hladno valjane trakove, ki so bili predvaljani

Aluminium and aluminium alloys - Reroll stock for general applications - Part 2:  
Specifications for cold rolled reroll stock

Aluminium und Aluminiumlegierungen - Vorwalzband für allgemeine Anwendungen - Teil  
2: Spezifikationen für kaltegewalztes Vorwalzband

Aluminium et alliages d'aluminium - Ebauches de relaminage pour applications  
générales - Partie 2: Spécifications pour ébauches obtenues par laminage a froid

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**Ta slovenski standard je istoveten z: EN 12482-2:1998**

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#### **ICS:**

77.150.10      Alumijski izdelki      Aluminium products

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EUROPEAN STANDARD

EN 12482-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 1998

ICS 77.150.10

Descriptors: aluminium, aluminium alloys, cold rolled products, reroll stock, definitions, specifications, delivery, orders, sales documents, dimensions, dimensional tolerances, tests, acceptance tests, marking, packing

English version

## Aluminium and aluminium alloys - Reroll stock for general applications - Part 2: Specifications for cold rolled reroll stock

Aluminium et alliages d'aluminium - Ebauches de relaminage pour applications générales - Partie 2: Spécifications pour ébauches obtenues par laminage à froid

Aluminium und Aluminiumlegierungen - Vorwalzband für allgemeine Anwendungen - Teil 2: Spezifikationen für kaltgewalztes Vorwalzband

This European Standard was approved by CEN on 1 July 1998.

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.

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

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## 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 January 1999, and conflicting national standards shall be withdrawn at the latest by January 1999.

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.

This standard is part of a series of two standards. The other standard deals with :

EN 12482-1      Aluminium and aluminium alloys - Reroll stock for general applications -  
Part 1 : Specifications for hot rolled stock

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## Introduction

When hot or cold rolled strip in aluminium and aluminium alloy are to be rolled to thinner gauges in order to obtain cold rolled products such as sheets, strips, finstock and foil, this intermediate product is then called reroll stock.

As the properties of the final products depend on the properties of the reroll stock and the further process, it is therefore not practicable to specify in detail minimum requirements for all properties of reroll stock. This standard therefore gives only guidelines to the specifications which have to be established carefully between producer and purchaser prior to ordering.

## 1 Scope

This part of EN 12482 specifies the particular requirements for wrought aluminium and aluminium alloys in the form of cold rolled strip. The thickness range covered is over 0,20 mm to 4 mm.

It does not apply to cold rolled strip which are not rerolled such as strip for general engineering or special applications.

## 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 485-2	Aluminium and aluminium alloys - Sheet, strip and plate - Part 2 : Mechanical properties
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 12258-1	Aluminium and aluminium alloys - Terms and definitions - Part 1 : General terms

### 3 Definitions

For the purposes of this European Standard, the definitions of aluminium and aluminium alloys according to EN 12258-1, the definitions of strip, hot rolled strip, sample, test piece and test according to EN 485-1, and the following apply :

#### 3.1 reroll stock

Rolled strip destined to be rolled to thinner gauges in order to obtain cold rolled products such as sheets, strips, finstock and foil.

#### 3.2 cold rolled reroll stock

Reroll stock whose final thickness is obtained by cold rolling.

### 4 Technical conditions for inspection and delivery

#### 4.1 Orders or tenders

The order or tender shall define the product required and shall contain at least the following information :

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- a) the form and type of product [SIST EN 12482-2:1999](https://standards.iteh.ai/catalog/standards/sist/5673bdf-1c75-48a3-b9a7-)  
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- 1) the designation of the aluminium or aluminium alloy in accordance with EN 573-3 ;
  - 2) the application intended by the purchaser :
    - the form, final thickness and temper to which the product is transformed at the purchaser's works,
    - any indication on intended surface treatments ;
- b) the temper of the product for delivery in accordance with EN 515 ;
- c) whether mechanical properties are to be specified ;
- d) the number of this European Standard or a specification number, or, where none exists, the properties agreed between producer and purchaser ;
- e) the dimensions and shape of the product :
  - thickness,
  - width,
  - net mass of the coil (without core),

- internal and external diameters of the coil,
- core size and type ;
- f) the quantity :
  - number of coils,
  - minimum and maximum mass of coils,
  - tolerance on quantity if required ;
- g) any requirements for inspection documents ;
- h) any special requirements for packing :
  - mass per coil,
  - design of pallet ;
- i) any special requirements agreed between producer and purchaser :
  - marking of products,
  - additional property requirements.

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## 4.2 Requirements

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### 4.2.1 Production and manufacturing processes

Unless otherwise stated in the order, the production and manufacturing processes shall be left to the discretion of the producer. Unless it is explicitly stated in the order no obligation shall be placed on the producer to use the same processes for subsequent and similar orders.

### 4.2.2 Quality control

The producer shall be responsible for the performance of all inspection and tests required by the relevant European Standard and/or the particular specification, prior to shipment of the product.

If the purchaser wishes to inspect the product at the producer's works, he shall notify the producer at the time of placing the order.

### 4.2.3 Freedom from defects

The product shall be free from defects prejudicial to its suitable and proper use. It shall have a smooth and clean rolling surface.

The surface condition shall be agreed between producer and purchaser.



#### 4.2.4 Chemical composition

The chemical composition shall comply with the requirements as specified in EN 573-3.

If the purchaser requires content limits for elements not specified in the above standard, these limits shall be stated on the order, after agreement between producer and purchaser.

#### 4.2.5 Mechanical properties

If mechanical properties are required, they shall be in conformity with those specified in EN 485-2 or those agreed between producer and purchaser and stated on the order.

#### 4.2.6 Tolerances on dimensions

The tolerances on dimensions shall be in conformity with those specified in clause 5 or agreed between producer and purchaser and stated on the order.

#### 4.2.7 Other properties

Additional property requirements, such as surface roughness, surface aspect, edge trimming, etc., shall be agreed between producer and purchaser and stated on the order.

### 4.3 Test procedures

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#### 4.3.1 Chemical composition

Chemical composition shall be tested as specified in EN 485-1.

#### 4.3.2 Tensile test

Selection and preparation of samples and test pieces shall be in conformity with EN 485-1.

#### 4.3.3 Retests

Retests shall be carried out in conformance with EN 485-1.

## 5 Tolerances on dimensions

### 5.1 Thickness

Tolerances on thickness are specified in table 1.

For the purpose of this standard the alloys are divided into two groups which correspond to varying difficulty when manufacturing the products.