

## Räästarennikonksud. Nõuded ja katsetamine

Brackets for eaves gutters - Requirements and testing

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1462:2002 sisaldab Euroopa standardi EN 1462:1997 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 11.11.2002 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 1462:2002 consists of the English text of the European standard EN 1462:1997.

This standard is ratified with the order of Estonian Centre for Standardisation dated 11.11.2002 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

ICS 91.060.20, 91.140.80

augud, katsed, katusekate, katuserennid, katuserennikonksud, kinnituselemendid, korrosioonikindlus, materjali eristuskiiri, mehaaniline tugevus, märgistus, tähistus

### Standardite reprodutseerimis- ja levitamiseõigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonilisse süsteemi või edastamine ükskõik millises vormis või millisel teel on keelatud ilma Eesti Standardikeskuse poolt antud kirjaliku loata.

Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:  
Aru 10 Tallinn 10317 Eesti; [www.evs.ee](http://www.evs.ee); Telefon: 605 5050; E-post: [info@evs.ee](mailto:info@evs.ee)

### Right to reproduce and distribute belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without permission in writing from Estonian Centre for Standardisation.

If you have any questions about standards copyright, please contact Estonian Centre for Standardisation:  
Aru str 10 Tallinn 10317 Estonia; [www.evs.ee](http://www.evs.ee); Phone: 605 5050; E-mail: [info@evs.ee](mailto:info@evs.ee)

---

ICS 91.140.80

Descriptors: roofing, roof gutters, roof gutter hooks, designation, materials specifications, corrosion resistance, mechanical strength, fixing, holes, tests, marking

English version

**Brackets for eaves gutters - Requirements and testing**

Crochets de gouttières pendantes - Exigences et méthodes d'essai

Rinnenhalter für Hängedachrinnen - Anforderungen und Prüfung

This European Standard was approved by CEN on 1996-12-22. 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 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
1	Scope
2	Normative references
3	Definitions
4	Materials
5	Resistance to corrosion
6	Functional requirements
7	Designation
8	Marking

Annex A (normative): Test method for plastics coating on steel without undercoating of zinc (type test)

Annex B (normative): Loading test (type test)

## 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 July 1997, and conflicting national standards shall be withdrawn at the latest by July 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 standard specifies the requirements for brackets intended to support eaves gutters conforming to EN 607 or EN 612.

## 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 485-3 Aluminium and aluminium alloys - Sheet, strip and plate - Part 3: Tolerances on shape and dimensions for hot-rolled products
- EN 485-4 Aluminium and aluminium alloys - Sheet, strip and plate - Part 4: Tolerances on shape and dimensions for cold-rolled products
- prEN 513 Unplasticised polyvinylchloride (PVC-U) profiles for the construction of windows - Determination of the resistance to artificial weathering
- EN 573-1 Aluminium and aluminium alloys - Chemical composition and form of wrought products - Part 1: Numerical designation system
- EN 573-3 Aluminium and aluminium alloys - Chemical composition and form of wrought products - Part 3: Chemical composition
- EN 607 Eaves gutters and fittings made of PVC-U - Definitions, requirements and testing
- EN 612 Eaves gutters and rainwater down-pipes of metal sheet - Definitions, classifications and requirements
- prEN 754-1 Aluminium and aluminium alloys - Wrought products - Cold drawn rod/bar and tube - Part 1: Technical conditions for inspection and delivery
- prEN 755-1 Aluminium and aluminium alloys - Wrought products - Extruded rod/bar, tube and profile - Part 1: Technical conditions for inspection and delivery
- prEN 1029 Hot dip galvanized coatings on fabricated ferrous products - Specification
- prEN 1652 Copper and copper alloys - Plate, sheet, strip and circles for general purposes
- EN 10025 Hot rolled products of non-alloy structural steels - Technical delivery conditions
- EN 10088-2 Stainless steel - Part 2: Technical delivery conditions for sheet/plate and strip for general purposes
- EN 10088-3 Stainless steel - Part 3: Technical delivery conditions for semi-finished products, bars, rods and sections for general purposes

prEN 10111	Continuously hot-rolled low carbon steel sheet and strip for cold bending - Technical delivery conditions
EN 10142	Continuously hot-dip zinc coated low carbon steel strip and sheet for cold forming - Technical delivery conditions
EN 10214	Continuously hot-dip zinc-aluminium (ZA) coated steel strip and sheet - Technical delivery conditions
EN 10215	Continuously hot-dip aluminium-zinc (AZ) coated steel strip and sheet - Technical delivery conditions
EN 20105-A02	Textile tests for colour fastness - Part A02: Grey scale for assessing change in colour (ISO 105-A02:1993)

### 3 Definitions

For the purposes of this standard the following definitions apply:

- 3.1 rafter bracket:** A gutter bracket suitable for fixing to a rafter.
- 3.2 fascia bracket:** A gutter bracket suitable for fixing to an element of the building which runs parallel to the gutter.

### 4 Materials

Gutter brackets shall be manufactured from one of the materials listed below:

- Mild steel conforming to EN 10025 or prEN 10111,
- Hot-dip metal coated steel sheet DX 51 D or higher grade, with a minimum coating mass of 275 g/m<sup>2</sup>, total both sides (thickness of each side: 20 µm), conforming to EN 10142.
- Zinc-aluminium coated steel sheet DX 51 D+ZA or higher grade, with a minimum coating mass of 225 g/m<sup>2</sup>, total both sides (thickness of each side: 20 µm), conforming to EN 10214.
- Aluminium-zinc coated steel sheet DX 51 D+AZ or higher grade, with a minimum coating mass of 150 g/m<sup>2</sup>, total both sides (thickness of each side: 20 µm), conforming to EN 10215.
- Stainless steel conforming to EN 10088-2 or EN 10088-3.
- Copper conforming to prEN 1652.