

**Alumiinium ja alumiiniumisulamid. Tõmbetoorikud.
Osa 2: Erinõuded elektri alal kasutamiseks**

Aluminium and aluminium alloys - Drawing stock - Part
2: Specific requirements for electrical applications

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1715-2:2008 sisaldab Euroopa standardi EN 1715-2:2008 ingliskeelset teksti.

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Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 16.04.2008.

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This Estonian standard EVS-EN 1715-2:2008 consists of the English text of the European standard EN 1715-2:2008.

This standard is ratified with the order of Estonian Centre for Standardisation dated 20.06.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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Võtmesõnad: alumiinium, alumiiniumisulamid, elektrijuhid, elektrilised omadused, katsed, keemiline koostis, kontroll, mehaanilised omadused, tarnetingimus, tehnilised andmed, tõmbetoorik

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English Version

Aluminium and aluminium alloys - Drawing stock - Part 2:
Specific requirements for electrical applications

Aluminium et alliages d'aluminium - Fil machine - Partie 2:
Exigences spécifiques relatives aux applications électriques

Aluminium und Aluminiumlegierungen - Vordraht - Teil 2:
Besondere Anforderungen für elektrotechnische
Anwendungen

This European Standard was approved by CEN on 14 March 2008.

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Foreword

This document (EN 1715-2:2008) 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of an identical text or by endorsement, at the latest by October 2008, and conflicting national standards shall be withdrawn at the latest by October 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document will supersede EN 1715-2:1997.

Within its programme of work, Technical Committee CEN/TC 132 entrusted CEN/TC 132/WG 4 "Wires and drawing stock" to revise EN 1715-2:1997.

Besides editorial adjustments in the text and update of normative references, the following changes have been made:

- Clause 3: amended; Table 1 inclusion of alloys EN AW-1110, EN AW-5005, EN AW-8030 and EN AW-8176;
- Clause 4: amended.

EN 1715 comprises the following parts under the general title: "*Aluminium and aluminium alloys – Drawing stock*":

- *Part 1: General requirements and technical conditions for inspection and delivery*
- *Part 2: Specific requirements for electrical applications*
- *Part 3: Specific requirements for mechanical uses (excluding welding)*
- *Part 4: Specific requirements for welding applications*
- *Part 5: Specific requirements for aluminium food packaging¹⁾*

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1) Under preparation.

1 Scope

This European Standard specifies requirements for drawing stock of aluminium and aluminium alloys for electrical applications.

The general requirements and technical conditions for inspection and delivery are specified in EN 1715-1.

This European Standard does not apply to drawn wire.

2 Normative references

The following referenced documents are indispensable for the application 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 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 and form of products*

EN 1715-1, *Aluminium and aluminium alloys — Drawing stock — Part 1: General requirements and technical conditions for inspection and delivery*

IEC 60468, *Method of measurement of resistivity of metallic materials*

3 Requirements

3.1 Chemical composition

Aluminium and aluminium alloys commonly used for electrical applications are given in Table 1.

Their chemical composition shall be in accordance with EN 573-3, and for alloys EN AW-1110, EN AW-8030 and EN AW-8176, according to Table A.1.

The elements determined and reported in the certificate of mass and analysis shall be:

Si, Fe, Cu, Mn, Mg, Cr, Zn, Ti, Ga, V and B.