

**Alumiinium ja alumiiniumisulamid. Tõmbetoorikud.
Osa 4: Kevitamise erinõuded**

Aluminium and aluminium alloys - Drawing stock - Part
4: Specific requirements for welding applications

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1715-4:2008 sisaldab Euroopa standardi EN 1715-4:2008 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 20.06.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

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

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 1715-4:2008 consists of the English text of the European standard EN 1715-4:2008.

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.

Date of Availability of the European standard text 16.04.2008.

The standard is available from Estonian standardisation organisation.

ICS 77.150.10

Võtmesõnad: alumiinium, alumiiniumisulamid, katsed, keemiline koostis, keevitamine, kontroll, kvaliteet, mehaanilised omadused, tarnetingimus, tehnilised andmed, tõmbetoorik

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English Version

Aluminium and aluminium alloys - Drawing stock - Part 4:
Specific requirements for welding applications

Aluminium et alliages d'aluminium - Fil machine - Partie 4:
Exigences spécifiques relatives aux applications de
soudage

Aluminium und Aluminiumlegierungen - Vordraht - Teil 4:
Besondere Anforderungen für schweißtechnische
Anwendungen

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

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Foreword

This document (EN 1715-4:2008) 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of an identical text or by endorsement, at the latest by October 2008, and conflicting national standards shall be withdrawn at the latest by October 2008.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 supersedes EN 1715-4:1997.

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

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

- Clause 3: text amended; title of Table 1 changed
- Clause 4: amended
- Clause 5: amended
- Clause 6: 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.

Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This European Standard specifies specific requirements for drawing stock of aluminium and aluminium alloys for welding 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*

EN ISO 18273, *Welding consumables — Wire electrodes, wires and rods for welding of aluminium and aluminium alloys — Classification (ISO 18273:2004)*

3 Requirements

3.1 Chemical composition

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

Their chemical compositions shall be in accordance with EN ISO 18273, and for alloys EN AW-1050A and EN AW-5154A in accordance with EN 573-3.

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

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

If other elements (e.g. Zr ...) are specified in EN ISO 18273 or EN 573-3, they shall be determined and reported in the certificate of mass and analysis.