

**Solid biofuels - Determination of mechanical durability
of pellets and briquettes - Part 2: Briquettes**

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 15210-2:2010 sisaldab Euroopa standardi EN 15210-2:2010 ingliskeelset teksti.

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This standard is ratified with the order of Estonian Centre for Standardisation dated 30.11.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English Version

**Solid biofuels - Determination of mechanical durability of pellets
and briquettes - Part 2: Briquettes**

Biocombustibles solides - Méthodes de détermination de la
durabilité mécanique des granulés et des briquettes - Partie
2: Briquettes

Feste Biobrennstoffe - Bestimmung der mechanischen
Festigkeit von Pellets und Briketts - Teil 2: Briketts

This European Standard was approved by CEN on 19 September 2010.

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Foreword

This document (EN 15210-2:2010) has been prepared by Technical Committee CEN/TC 335 “Solid biofuels”, the secretariat of which is held by SIS.

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of an identical text or by endorsement, at the latest by May 2011, and conflicting national standards shall be withdrawn at the latest by May 2011.

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.

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1 Scope

This European Standard defines the requirements and method used for testing the mechanical durability of briquettes. It is applicable to persons and organisations that manufacture, plan, sell, erect or use machinery, equipment, tools and entire plants related to such briquettes, and to all persons and organisations involved in producing, purchasing, selling and utilising briquettes.

The durability is the measure of the resistance of densified fuels towards shocks and/or abrasion as a consequence of handling and transportation processes.

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 14588:2010, *Solid biofuels — Terminology, definitions and descriptions*

EN 14774-1:2009, *Solid biofuels — Determination of moisture content — Oven dry method — Part 1: Total moisture — Reference method*

EN 14774-2:2009, *Solid biofuels — Determination of moisture content — Oven dry method — Part 2: Total moisture — Simplified method*

CEN/TS 14778-1, *Solid biofuels — Sampling — Part 1: Methods for sampling*

CEN/TS 14780, *Solid biofuels — Methods for sample preparation*

ISO 3310-1, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 14588:2010 apply.

4 Principle

The test sample is subjected to controlled shocks by collision of briquettes against each other and against the walls of a specified rotating test chamber. The durability is calculated from the mass of the sample remaining after separation of abraded and fine broken particles.

5 Apparatus

5.1 Briquette tester

The durability drum is a cylindrical steel drum with a nominal volume of 160 l having the following dimensions (see Figure 1):

- a) Internal length, or depth: (598 ± 8) mm;
- b) Internal diameter: (598 ± 8) mm.