

**TAHKED BIOKÜTUSED. PELLETITE JA BRIKETTIDE
MEHAANILISE VASTUPIDAVUSE MÄÄRAMINE. OSA 2:
BRIKETID**

**Solid biofuels - Determination of mechanical durability
of pellets and briquettes - Part 2: Briquettes (ISO
17831-2:2015)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 17831-2:2015 sisaldab Euroopa standardi EN ISO 17831-2:2015 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 17831-2:2015 consists of the English text of the European standard EN ISO 17831-2:2015.
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ICS 27.190, 75.160.10

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English Version

**Solid biofuels - Determination of mechanical durability of
pellets and briquettes - Part 2: Briquettes (ISO 17831-
2:2015)**

Biocombustibles solides - Détermination de la
résistance mécanique des granulés et des briquettes -
Partie 2: Briquettes (ISO 17831-2:2015)

Feste Biobrennstoffe - Bestimmung der mechanischen
Festigkeit von Pellets und Briketts - Teil 2: Briketts
(ISO 17831-2:2015)

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European foreword

This document (EN ISO 17831-2:2015) has been prepared by Technical Committee ISO/TC 238 "Solid biofuels" in collaboration with 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of an identical text or by endorsement, at the latest by June 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

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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Endorsement notice

The text of ISO 17831-2:2015 has been approved by CEN as EN ISO 17831-2:2015 without any modification.

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Foreword

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The committee responsible for this document is ISO/TC 238, *Solid biofuels*.

ISO 17831 consists of the following parts under the general title *Solid Biofuels — Determination of mechanical durability of pellets and briquettes*:

- *Part 1: Pellets*
- *Part 2: Briquettes*

Introduction

Compressed solid biomass fuel is usually assigned to either pellets or briquettes, of which pellets usually have a diameter below 25 mm, while for briquettes, the diameter is higher (see ISO 17225-1). To account for the different particle dimensions, it was necessary to define different test apparatuses.

Solid biofuels — Determination of mechanical durability of pellets and briquettes —

Part 2: Briquettes

1 Scope

This part of ISO 17831 defines a method for determining the mechanical durability of briquettes. The mechanical durability is a measure of the resistance of compressed fuels towards shocks and/or abrasion as a consequence of handling and transportation.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

ISO 14780, *Solid biofuels — Sample preparation*¹⁾

ISO 16559, *Solid biofuels — Terminology, definitions and descriptions*

ISO 18134-1, *Solid biofuels — Determination of moisture content — Oven dry method — Part 1: Total moisture — Reference method*

ISO 18134-2, *Solid biofuels — Determination of moisture content — Oven dry method — Part 2: Total moisture — Simplified method*

ISO 18135, *Solid Biofuels — Sampling*¹⁾

3 Terms and definitions

For the purpose of this document, the terms and definitions given in ISO 16559 apply.

4 Principle

The test portion 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.

1) In preparation.