



**NSAI**  
Standards

Irish Standard  
I.S. EN 15234-3:2012

# Solid biofuels - Fuel quality assurance - Part 3: Wood briquettes for non-industrial use

## I.S. EN 15234-3:2012

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWIFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces:*

<i>This document is based on:</i>	<i>Published:</i>
EN 15234-3:2012	27 January, 2012
EN 61228:1994	29 September, 1994

This document was published under the authority of the NSAI and comes into effect on:  
27 January, 2012

**ICS number:**

75.160.10

**NSAI**  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

**Sales:**  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

ICS 75.160.10

English Version

## Solid biofuels - Fuel quality assurance - Part 3: Wood briquettes for non-industrial use

Biocombustibles solides - Assurance qualité du  
combustible - Partie 3 : Briquettes de bois à usage non  
industriel

Feste Biobrennstoffe - Qualitätssicherung von Brennstoffen  
- Teil 3: Holzbriketts für nichtindustrielle Verwendung

This European Standard was approved by CEN on 27 November 2011.

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 CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech 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, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

---

<b>Contents</b>		Page
<b>Foreword</b> .....		<b>3</b>
<b>Introduction</b> .....		<b>4</b>
<b>1 Scope</b> .....		<b>5</b>
<b>2 Normative references</b> .....		<b>5</b>
<b>3 Terms and definitions</b> .....		<b>5</b>
<b>4 Symbols and abbreviations</b> .....		<b>6</b>
<b>5 Quality assurance and quality control measures</b> .....		<b>6</b>
<b>5.1 General</b> .....		<b>6</b>
<b>5.2 Traceability</b> .....		<b>7</b>
<b>5.3 Production requirements</b> .....		<b>7</b>
<b>5.4 Fuel requirements for the final product (Step 1)</b> .....		<b>8</b>
<b>5.5 Process description (Steps 2, 3 and 4)</b> .....		<b>8</b>
<b>5.6 Measures to assure the quality of the product (Step 5)</b> .....		<b>10</b>
<b>5.6.1 Inspection of incoming raw material and other goods</b> .....		<b>10</b>
<b>5.6.2 Wood briquette production</b> .....		<b>10</b>
<b>5.6.3 Distribution</b> .....		<b>11</b>
<b>5.7 Routines for separate handling of nonconforming materials and solid biofuels (Step 6)</b> .....		<b>11</b>
<b>6 Product declaration of fuel quality and labelling</b> .....		<b>12</b>
<b>Annex A (informative) Examples of product declarations</b> .....		<b>13</b>
<b>Annex B (informative) A-deviations</b> .....		<b>15</b>
<b>Bibliography</b> .....		<b>16</b>

## Foreword

This document (EN 15234-3:2012) 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 July 2012, and conflicting national standards shall be withdrawn at the latest by July 2012.

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 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

The European standard series EN 15234, *Solid biofuels — Fuel quality assurance* are provided as a general requirements and additional product standards. Additional product standards may extend this series over time.

EN 15234 consists of the following parts, under the general title *Solid biofuels — Fuel quality assurance*:

- *Part 1: General requirements;*
- *Part 2: Wood pellets for non-industrial use;*
- *Part 3: Wood briquettes for non-industrial use;*
- *Part 4: Wood chips for non-industrial use;*
- *Part 5: Firewood for non-industrial use;*
- *Part 6: Non-woody pellets for non-industrial use.*

Although these product standards may be obtained separately, it should be recognized that they require an understanding of the standards based on and supporting EN 15234-1. It is recommended to obtain and use EN 15234-1 in conjunction with these standards.

**NOTE** In these product standards, non-industrial use means - use in smaller scale appliances, such as in households, in small commercial and public sector buildings.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech 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, Turkey and United Kingdom.

## **Introduction**

The overall aim of this European Standard is to guarantee the wood briquette quality through the whole supply chain, from the origin to the delivery of the solid biofuel and provide adequate confidence that specified quality requirements are fulfilled.

The objective of this European Standard is to serve as a tool to enable the efficient trading of wood briquettes. Thereby:

- 1) the end-user can find a briquette that corresponds to its needs;
- 2) the producer/supplier can produce a briquette with defined and consistent properties and describe the briquette to the customers.

Quality assurance measures should establish confidence in the briquette through systems that are simple to operate and do not cause undue bureaucracy.

Wood briquettes are specified according to EN 14961-3, *Solid biofuels — Fuel specifications and classes — Part 3: Wood briquettes for non-industrial use*.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-