



**NSAI**  
Standards

Standard Recommendation  
S.R. CEN/TR 16208:2011

# Biobased products - Overview of standards

## S.R. CEN/TR 16208:2011

*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:*

*This document is based on:*  
CEN/TR 16208:2011

*Published:*  
11 July, 2011

This document was published under the authority of the NSAI and comes into effect on:  
11 July, 2011

ICS number:

**13.020.60**  
**71.100**

**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 13.020.60; 71.100

English Version

## Biobased products - Overview of standards

Produits biosourcés - Vue d'ensemble des normes

Biobasierte Produkte - Übersicht von Normen und Standards

This Technical Report was approved by CEN on 26 March 2011. It has been drawn up by the Technical Committee CEN/SS N99.

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 and United Kingdom.



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

**Management Centre: Avenue Marnix 17, B-1000 Brussels**

---

## Contents

Page

|  |    |
|--|----|
| Foreword.....  | 3  |
| 1 Scope .....  | 4  |
| 2 Criteria & approach .....  | 4  |
| 2.1 Results presented in this report.....  | 4  |
| 2.2 Criteria list .....  | 4  |
| 2.3 Analysis approach .....  | 5  |
| 3 Terms and definitions .....  | 5  |
| 3.1 Bio-content / Amount of renewable raw materials .....                          | 5  |
| 3.2 Product functionality / Technical performance .....                            | 6  |
| 3.3 End of life / Biodegradability / Compostability / Recycling / Durability ..... | 7  |
| 3.4 Life-Cycle Assessment / GHG emissions / Energy use / Other LCA criteria.....   | 8  |
| 3.5 Sustainability / Environmental / Social / Economic criteria .....              | 9  |
| 4 Standards and documents analysis matrix .....                                    | 10 |
| 5 Scope of standards .....   | 13 |
| 5.1 Vocabulary.....  | 13 |
| 5.2 Life Cycle Analysis .....  | 14 |
| 5.3 Bio-based content .....  | 30 |
| 5.4 Specific products.....   | 33 |
| 6 Coverage of criteria .....   | 43 |
| 6.1 Bio-based content .....  | 43 |
| 6.2 Product functionality.....   | 43 |
| 6.3 End of life.....   | 46 |
| 6.4 Life-Cycle Analysis.....   | 47 |
| 6.5 Sustainability.....  | 48 |
| 7 Conclusions .....  | 50 |
| Annex A (informative) End-of-Life standards.....                                   | 51 |
| Annex B (informative) Related Technical Committees.....                            | 56 |
| Bibliography .....   | 57 |

## **Foreword**

This document (CEN/TR 16208:2011) has been prepared by Technical Committee CEN/BT/WG 209 “Bio-based products”, the secretariat of which is held by DIN .

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 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](#)
-