
**Solid recovered fuels — Specifications
and classes**

Combustibles solides de récupération — Spécifications et classes

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 300 *Solid recovered fuels*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

The objective of this document is to provide a common classification and specification system for solid recovered fuels (SRF) to enable efficient trading of SRF, to promote their safe use in energy conversion activities and to increase the public trust. The document facilitates a good understanding between seller and buyer, supports purchase, trans border movements, use and supervision as well as an effective communication with equipment manufacturers. The classification and specification system support authority permission procedures and ease the reporting on environmental issues.

SRF are produced from non-hazardous waste. The input waste can be production specific waste, municipal solid waste, industrial waste, commercial waste, construction and demolition waste, sewage sludge etc. It is thus obvious that SRF are a heterogeneous group of fuels. A well-defined system for classification and specification is therefore of significant importance to reach the above-mentioned objectives and intentions.

This document covers all types of SRF and will thus have a wide field of application. The aim of producing a solid recovered fuel is to use it for energy purposes at the highest possible energy efficiency.

This document describes the compliance rules for SRF according to this classification system. Classification enables statistical information of SRF properties in the market, thus increasing transparency in the use of non-hazardous waste in SRF and demonstrating development of this business field.

This document also describes how the supplier can establish specifications and a declaration of conformity to the different ISO standards for SRF.

It is important to emphasise that despite the standardisation of SRF, the standard should not be interpreted as end-of-waste criteria. Such criteria can be set at national or regional levels, but then in legislation and not in this document. Also, it should be noted that the waste used for the SRF production should be such waste streams that are not suitable for re-use, preparation for re-use or efficient material recycling.

[Figure 1](#) illustrates a simplified flow chain for SRF, from input of non-hazardous waste to end use of SRF. This document has an interface to all the stages in the chain, from point of acceptance to point of delivery. The fuel is not considered an SRF until it is specified and classified according to this document. Requirements for how the input waste is collected and how to use the SRF are not part of this document.

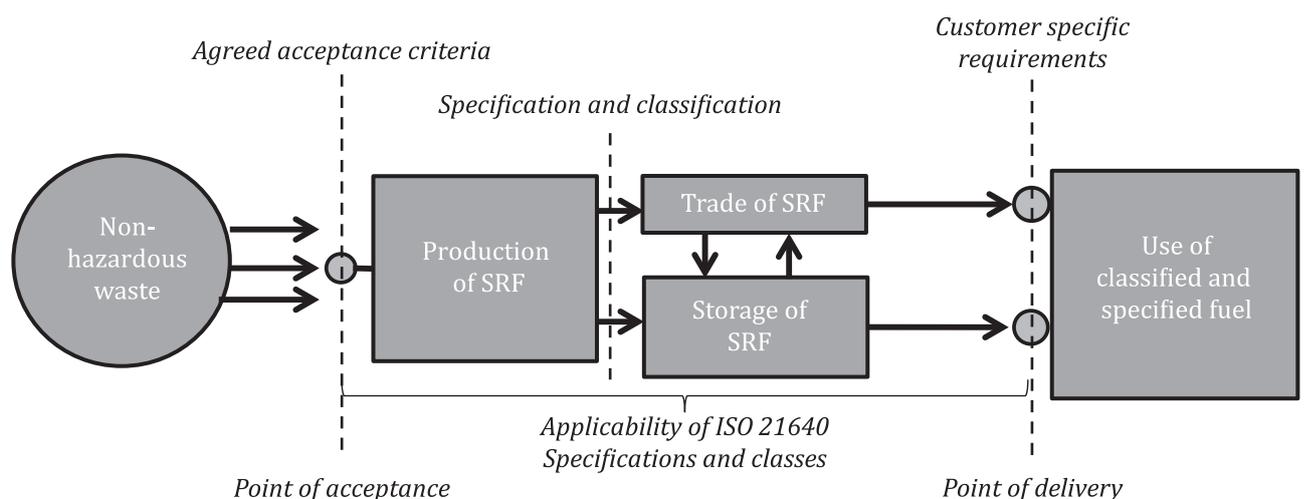


Figure 1 — Solid recovered fuels chain - This document on specifications and classes is applicable after production up to the point of delivery