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Road construction and maintenance equipment — Bituminous binder sprayers and synchronous bituminous binder sprayers-chip spreaders — Terminology and commercial specifications

Équipements pour la construction et l'entretien des routes — Répandeuses de liants bitumineux et répandeuses-gravillonneurs synchrones — Terminologie et spécifications commerciales

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Foreword

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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).

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This document was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*.

This second edition cancels and replaces the first edition (ISO 15643:2002), which have been technically revised. It also incorporates the Amendment ISO 15643:2002/Amd 1:2012.

The main changes compared to the previous edition are as follows:

— adjusted the use of the terms "spread" and "spray" throughout the document;

— added Figure 1 c) — Trailed binder sprayer;

— added chip spreaders;

— corrected the references for most of the figures.

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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Road construction and maintenance equipment — Bituminous binder sprayers and synchronous bituminous binder sprayers-chip spreaders — Terminology and commercial specifications

1 Scope

This document establishes the terminology and the content of commercial literature specifications for bituminous binder sprayers and synchronous bituminous binder sprayers-chip spreaders (i.e. synchronised combined units) including their components and their technical characteristics.

This document covers cold and hot bituminous binder sprayers.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 15644, *Road construction and maintenance equipment — Chippings spreaders — Terminology and commercial specifications*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 15644 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
bituminous binder sprayer
machine used to apply a film of bituminous binder on a pavement at a predetermined application rate

Note 1 to entry: The particular sprayer types may be defined by associating the operating principle, the shape of the components, the type of binder, and by specifying the spraying performances.

3.2
synchronised combined unit
synchronous bituminous binder sprayer-chip spreader
machine which consists of a combination of *bituminous binder sprayer* (3.1) and chip spreader, used to make synchronised application of bituminous binder and chips on a pavement at predetermined application rate for a complete road surface treatment

3.3
displacement pump sprayer
bituminous binder sprayer (3.1) in which bituminous binder transfer from the storage tank to the spray bar is provided by a pump

Note 1 to entry: The pump's output is proportional to its rotating speed which may be controlled by the vehicle movement speed.

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