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**Road construction and maintenance  
equipment — Asphalt mixing plants —  
Terminology and commercial  
specifications**

*Équipement pour la construction et l'entretien des routes — Installations  
de traitement de l'asphalte — Terminologie et spécifications  
commerciales*



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Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 15642 was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*.

## Introduction

This International Standard deals with asphalt mixing plants used in road construction and maintenance processes.

It provides definitions of equipment, processed materials, parameters and activities involved in asphalt manufacturing and technical characteristics of machinery as well. The performance of asphalt mixing plants and their components is shown.

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# Road construction and maintenance equipment — Asphalt mixing plants — Terminology and commercial specifications

## 1 Scope

This International Standard establishes the terminology, gives requirements for specifications, and lists characteristics useful for determining theoretical performances and drafting technical documents for asphalt mixing plants used in the construction and maintenance of

- motorway, road and airport pavements, and
- road system and networks.

It does not specify safety conditions, which are covered by specific standards. Equipment relating to quality control of manufactured products is defined by the standards specific to these products.

This International Standard is applicable to fixed plants during production time, whether they are transferable or not, which excludes mobile equipment for soil stabilization or retreading.

This International Standard is applicable to mixing and/or coating plants for materials treated with hydrocarbon binders

- for continuous production (see Figure A.1), and
- for batch production (see Figure A.2).

## 2 Normative references

The following referenced documents are indispensable for the application 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.

EN 536, *Road construction machines — Asphalt mixing plants — Safety requirements*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### **asphalt mix**

⟨mixed material⟩ homogeneous paving product consisting of sized mineral aggregates, possibly including additives and filler, collectively and uniformly coated with binder

### 3.2

#### **asphalt mixing plant**

set of equipment for asphalt mix production