

# Road construction and maintenance equipment — Bituminous binder spreaders/sprayers — Terminology and commercial specifications

ICS 93.080.10

# National foreword

This British Standard is the UK implementation of ISO 15643:2002+A1:2012. It supersedes BS ISO 15643:2002, which is withdrawn.

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A list of organizations represented on this committee can be obtained on request to its secretary.

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# INTERNATIONAL STANDARD

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## **Road construction and maintenance equipment — Bituminous binder spreaders/sprayers — Terminology and commercial specifications**

*Équipement pour la construction et l'entretien des routes —  
Épandeuces/pulvérisatrices de liants bitumineux — Terminologie et  
spécifications commerciales*



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## **Foreword**

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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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 15643 was prepared by Technical Committee ISO/TC 195, *Building construction machinery and equipment*.

# Road construction and maintenance equipment — Bituminous binder spreaders/sprayers — Terminology and commercial specifications

## 1 Scope

This International Standard establishes the terminology for  bituminous binder spreaders/sprayers  used in road construction and pavement works. It provides the terminology for the machine and its components, also the definitions of operation principles and parameters.

This International Standard also establishes the parameters required for the technical characteristics of the whole machine and its components, such as the transport vehicle and mixing device, for commercial specifications.

## 2 Terms and definitions

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

### 2.1

#### **bituminous binder spreader**

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

NOTE The particular spreader types may be defined by associating the operating principle, the shape of the components, the type of binder, and by specifying the spreading performances.

### 2.2

#### **displacement pump spreader**

machine in which binder transfer from the storage tank to the spray bar is provided by a pump

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

### 2.3

#### **constant pressure spreader**

machine in which binder transfer from the storage tank to the spray bar is provided by pressurizing the binder

NOTE The binder may be pressurized directly by compressed air above the binder, or by a pump and regulating valve maintaining a constant binder pressure in the spray bar feeder circuit.

### 2.4

#### **fixed assembly spreader**

machine in which the tank and its attachments are fixed to the transport vehicle

### 2.5

#### **removable assembly spreader**

machine in which the tank and its attachments are fixed to a removable chassis

### 2.6

#### **heat-insulated spreader**

machine in which the tank is equipped with thermal insulation to avoid heat loss