

## **Sweepers - Part 1: Classification and Terminology**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 15429-1:2007 sisaldab Euroopa standardi EN 15429-1:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 22.11.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 15429-1:2007 consists of the English text of the European standard EN 15429-1:2007.</p> <p>This document is endorsed on 22.11.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This document applies to surface cleaning machines for outdoor applications on public areas, roads, airports and industrial plants. Cleaning machines for winter maintenance or indoor applications are not under the scope of this European Standard. Surface cleaning machines in terms of this Standard are self propelled, truck mounted, attached sweeping equipment or pedestrian controlled. This document deals with the classification of sweeping equipment and its performance specifications when they are used as intended and under the conditions foreseen by the manufacturer. This document does not include the carrier vehicles (e.g. truck). These will be handled in national or EC Directives for vehicles. This document does not apply to road surface cleaning machines such as front mounted on tractors according to EN 13524, or other vehicles. This document does not apply to machines or components that are specifically designed for cleaning tram lines and rail tracks. This document applies to machines that are manufactured after the date of approval of this standard by CEN. Industrial sweepers within the scope of EN 60335-2-72 are excluded.</p>	<p><b>Scope:</b></p> <p>This document applies to surface cleaning machines for outdoor applications on public areas, roads, airports and industrial plants. Cleaning machines for winter maintenance or indoor applications are not under the scope of this European Standard. Surface cleaning machines in terms of this Standard are self propelled, truck mounted, attached sweeping equipment or pedestrian controlled. This document deals with the classification of sweeping equipment and its performance specifications when they are used as intended and under the conditions foreseen by the manufacturer. This document does not include the carrier vehicles (e.g. truck). These will be handled in national or EC Directives for vehicles. This document does not apply to road surface cleaning machines such as front mounted on tractors according to EN 13524, or other vehicles. This document does not apply to machines or components that are specifically designed for cleaning tram lines and rail tracks. This document applies to machines that are manufactured after the date of approval of this standard by CEN. Industrial sweepers within the scope of EN 60335-2-72 are excluded.</p>
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ICS 01.040.43, 43.160

ICS 01.040.43; 43.160

English Version

## Sweepers - Part 1: Classification and Terminology

Balayeuses - Classification et Terminologie

Kehrmaschinen - Teil 1: Klassifizierung und Terminologie

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## Contents

Page

Foreword.....	3
Introduction.....	4
1 Scope.....	5
2 General terms and definitions.....	5
3 Terms and definitions for characteristics of functional components.....	6
4 Terms and definitions for machine and functional component characteristics.....	7
5 Classification.....	11
Annex A (informative).....	12
Bibliography.....	13

## Foreword

This document (EN 15429-1:2007) has been prepared by Technical Committee CEN/TC 337 "Winter maintenance and road service area maintenance equipment", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2008, and conflicting national standards shall be withdrawn at the latest by April 2008.

Part 2 of this European Standard specifies the performances and the test methods

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.

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## Introduction

Generally all road surface cleaning machines are designed to clean paved surfaces. Most of these machines are equipped with a pick-up system and can convey the spoil into the hopper. The hopper can be discharged at dumping grounds, unload stations, in container or refuse reload stations. Road surface cleaning machines are equipped with sweep gear to scarify debris.

Sweepers are working at traffic and industrial areas with most different kinds of surface fixation. Applications are depending mainly on dimensions of sweepers. Sweepers with bigger volume are designed to operate mainly to clean streets, highways, motorways, ordinary roads and bigger parking places or industrial plants.

Sweepers with smaller volume and dimensions are designed for the cleaning of streets, pedestrian zones, pavements, bicycle lanes, parking lots, market places or industrial plants etc. Manoeuvrability is a main characteristic of such kind of sweeper.

Depending on dimensions attached sweeping equipment's (e.g. mounted at a tractor or other machines) are used in similar applications as mentioned above.

Additional equipment for special cleaning application can be attached to a sweeper.

## 1 Scope

This document applies to surface cleaning machines for outdoor applications on public areas, roads, airports and industrial plants. Cleaning machines for winter maintenance or indoor applications are not under the scope of this European Standard. Surface cleaning machines in terms of this Standard are self propelled, truck mounted, attached sweeping equipment or pedestrian controlled.

This document deals with the classification of sweeping equipment and its performance specifications when they are used as intended and under the conditions foreseen by the manufacturer.

This document does not include the carrier vehicles (e.g. truck). These will be handled in national or EC Directives for vehicles.

This document does not apply to road surface cleaning machines such as front mounted on tractors according to EN 13524, or other vehicles.

This document does not apply to machines or components that are specifically designed for cleaning tram lines and rail tracks.

This document applies to machines that are manufactured after the date of approval of this standard by CEN.

Industrial sweepers within the scope of EN 60335-2-72 are excluded.

## 2 General terms and definitions

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

### 2.1

#### **sweeper**

machine primarily for sweeping material from airports, highways or other traffic areas (e. g. parking areas, market places pedestrian zones, pavements, bicycle lanes, parking lots). These machines are fixed or dismountable attached on a carrier vehicle, on a specially designed chassis, on a pedestrian controlled vehicle or on a towed vehicle.

Sweeper can move material to a hopper or other type of container attached to the machine by mechanical or pneumatic means, or by combination of each.

Sweeper can be grouped into several sub-types

#### 2.1.1

##### **truck mounted sweeper**

sweeping machine, where the sweeping attachments are fixed or mounted on a standard vehicle-chassis, e.g. truck.

Truck mounted sweepers are subdivided into:

- large;
- small;

primarily depending on the net volume capacity