BS EN 50632-2-4:2016

BSI Standards Publication

Electric motor-operated tools — Dust measurement procedure

Part 2-4: Particular requirements for sanders other than disk type

bsi.

National foreword

This British Standard is the UK implementation of EN 50632-2-4:2016.

The UK participation in its preparation was entrusted to Technical Committee CPL/116, Safety of motor-operated electric tools.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Date	Text affected

EUROPEAN STANDARD

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English Version

Electric motor-operated tools - Dust measurement procedure - Part 2-4: Particular requirements for sanders other than disk type

Outils électriques à moteur - Procédure de mesure de la poussière - Partie 2-4: Exigences particulières pour les ponceuses autres que du type à disque

Motorbetriebene Elektrowerkzeuge - Staubmessverfahren - Teil 2-4: Besondere Anforderungen für Schleifer außer Tellerschleiferb

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Contents

European foreword

This document (EN 50632-2-4:2016) has been prepared by CLC/TC 116 “Safety of motor-operated electric tools”.

The following dates are fixed:

• latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2017-05-03
• latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	2018-05-03

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This European Standard is divided into three parts:

Part 1: General requirements for the dust measurement which are common to electric motor-operated tools (for the purpose of this standard referred to simply as tools);

Part 2 or 3: Requirements for the dust measurement for particular types of tools, which either supplement or modify the requirements given in Part 1 to account for the particular characteristics of these specific tools.

This Part 2 is to be used in conjunction with EN 50632-1:2015.

This Part 2 supplements or modifies the corresponding clauses in EN 50632-1:2015.

This Part 2 was developed to set out requirements for the measurement of the concentration for inhalable and respirable dust emitted by sanders.

Where a particular subclause of Part 1 is not mentioned in this Part 2, that subclause applies as far as reasonable. When this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

Subclauses, tables and figures which are additional to those in Part 1 are numbered starting from 101.

This European Standard has been drafted in accordance with the CEN/CENELEC Internal Regulations, Part 3.

The following print types are used:
- requirements proper: in roman type;
- *test specifications: in italic type;*
- explanatory matter: in smaller roman type.

The terms defined in Clause 3 are printed in **bold typeface**.

1 Scope

This clause of Part 1 is applicable except as follows:

Addition:

This part of EN 50632 applies to **sanders** with the exception of all types of rotating disc-type **sanders**, which are covered by EN 50632-2-3.

2 Normative references

This clause of Part 1 is applicable except as follows:

EN 12859:2011, *Gypsum blocks — Definitions, requirements and test methods*

3 Terms and definitions

This clause of Part 1 is applicable except as follows:

3.101
sander
tool intended to remove surface material using an abrasive medium

3.102
orbital sander
sander equipped with a plate, which performs an orbital oscillating motion parallel to the work surface

3.103
random orbit sander
sander equipped with a plate positioned eccentrically on the driving spindle which can rotate freely around its axis parallel to the work surface

3.104
reciprocating sander
sander equipped with a plate, which performs a reciprocating motion parallel to the work surface

3.105
belt sander
sander equipped with an endless abrasive belt

4 Test procedure

This clause of Part 1 is applicable except as follows:

4.3 Operating conditions

Addition:

Orbital sanders and **random orbit sanders** intended to process mineral materials are tested under load observing the conditions shown in Table 101.