

Electrostatic painting and finishing equipment using flammable materials —

Part 2: Specification for selection, installation and use of hand-held paint spray guns (energy limit of 0,24 mJ) and associated apparatus

[CENELEC title: Requirements for the selection, installation and use of electrostatic spraying equipment for flammable materials — Part 1: Hand-held electrostatic paint spray guns with an energy limit of 0,24 mJ and their associated apparatus]

European Standard EN 50053-1 has the status of a
British Standard.

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Cooperating organizations

The European Committee for Electrotechnical Standardization (CENELEC), under whose supervision this European Standard was prepared, comprises the National Committees of the following countries.

Austria	Luxemburg
Belgium	Netherlands
Denmark	Norway
Finland	Portugal
France	Spain
Germany	Sweden
Greece	Switzerland
Ireland	United Kingdom
Italy	

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Amendments issued since publication

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National foreword

This British Standard has been prepared under the direction of the General Electrotechnical Engineering Standards Committee.

BS 6742 will implement CENELEC European Standards for hand-held electrostatic painting and finishing equipment using flammable materials. This Part of BS 6742 is identical with the English text of EN 50053-1:1987. The other published Part is:

— *Part 1: Specification for hand-held spray guns and associated apparatus* (= EN 50050:1986).

The remaining Parts at present envisaged are:

— *Part 3: Requirements for selection, installation and use of hand-held powder spray guns (energy limit of 5 mJ) and associated apparatus (in course of final editing in CENELEC committee);*

— *Part 4: Requirements for selection, installation and use of hand-held flock spray guns (energy limit of 0,24 or 5 mJ) and associated apparatus (under discussion in CENELEC committee).*

The preparation of further CENELEC European Standards for “automatic” electrostatic spraying equipment using flammable materials is still to be considered.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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Key words: Potentially explosive atmosphere; explosive atmosphere; explosion proofing; electrostatic hand-held spraying equipment; spray gun; energy limit of 0,24 mJ; requirement for selection; requirement for installation; requirement for use

English version

Requirements for the selection, installation and use of electrostatic spraying equipment for flammable materials — Part 1: Hand-held electrostatic paint spray guns with an energy limit of 0,24 mJ and their associated apparatus

Règles de sélection, d'installation et
d'utilisation des équipements de projection
électrostatique pour produits inflammables.
Partie 1. Pistolets manuels de projection
électrostatique de peinture avec une énergie
limite de 0,24 mJ et leur matériel associé

Bestimmungen für die Auswahl, Errichtung
und Anwendung elektrostatischer
Sprühanlagen für brennbare Sprühstoffe.
Teil 1. Elektrostatische
Handsprüheinrichtungen für flüssige
Sprühstoffe mit einer Energiegrenze
von 0,24 mJ sowie Zubehör

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CENELEC General Secretariat 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 CENELEC General Secretariat has the same status as the official versions.

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CENELEC

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

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