

Radiators and convectors - Part 3: Evaluation of conformity

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conformity

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 442-3:2003 sisaldab Euroopa standardi EN 442-3:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 14.10.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 442-3:2003 consists of the English text of the European standard EN 442-3:2003.</p> <p>This document is endorsed on 14.10.2003 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>Käsitlusala: This European Standard specifies the procedures for evaluating the conformity of radiators/convectors to EN 442-1. It specifies the procedures and methods for the initial evaluation and the controls required to maintain conformity</p>	<p>Scope: This European Standard specifies the procedures for evaluating the conformity of radiators/convectors to EN 442-1. It specifies the procedures and methods for the initial evaluation and the controls required to maintain conformity</p>
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Võtmesõnad: buildings, conformity tests, construction, heat radiat, heaters, heating installations, heating systems, radiators, safety requirements, space- heating systems, specification (approval), specifications, testing, thermal efficiency, thermal environment systems, water

English version

Radiators and convectors - Part 3: Evaluation of conformity

Radiateurs et convecteurs - Partie 3: Evaluation de la
conformité

Radiatoren und Konvektoren - Teil 3:
Konformitätsbewertung

This European Standard was approved by CEN on 7 August 2003.

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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 CEN member into its own language and notified to the Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 442-3:2003) has been prepared by Technical Committee CEN/TC 130 "Space heating appliances without integral heat sources", the secretariat of which is held by UNI.

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 March 2004, and conflicting national standards shall be withdrawn at the latest by March 2004.

This document supersedes EN 442-3:1997.

This European Standard of radiators and convectors consists of the following parts:

EN 442-1, Radiators and convectors – Part 1: Technical specifications and requirements;

EN 442-2, Radiators and convectors – Part 2: Test methods and rating;

EN 442-3, Radiators and convectors – Part 3: Evaluation of conformity.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

This European Standard results from the recognition that the heating appliances falling into the scope hereinafter stated are traded on the basis of their thermal output.

To evaluate and compare different appliances, it is therefore essential to refer to a single stipulated value, hereinafter called the standard thermal output.

Considering EN 442-1 should become a harmonized standard with reference to Mandate M/129 of the EU Directive 89/106 "CPD" and the need to further treat and examine the questions concerning the evaluation of conformity of radiators and convectors as treated in Annex ZA to EN 442-1, the present EN 442-3 has been revised to allow the preparation of a text consistent and co-ordinated with the above mentioned Annex ZA.

1 Scope

This European Standard specifies the procedures for evaluating the conformity of radiators/convectors to EN 442-1. It specifies the procedures and methods for the initial evaluation and the controls required to maintain conformity.

2 Normative References

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 442-1:1995, *Radiators and convectors – Part 1: Technical specifications and requirements*.

EN 442-1:1995/A1:2003, *Radiators and convectors – Part 1: Technical specifications and requirements*.

EN 442-2:1996, *Radiators and convectors – Part 2: Test methods and rating*.

EN 442-2:1996/A1:2000, *Radiators and convectors – Part 2: Test methods and rating*.

EN 442-2:1996/A2:2003, *Radiators and convectors – Part 2: Test methods and rating*.

EN 13501-1, *Fire classification of construction products and building elements – Part 1: Classification using test data from reaction to fire tests*.

3 Evaluation of conformity

The conformity of the radiator/convector model or type to EN 442-1 shall concern:

- reaction to fire class;
- release of dangerous substances;
- pressure tightness;
- rated thermal output;
- thermal output in different operating conditions;
- durability (resistance to corrosion of the pre-treatment and paint);
- catalogue data;
- marking and labelling.

The conformity concerns:

- the initial evaluation to be performed on samples of the radiators/convectors;
- the maintenance of conformity to be performed on the radiators/convectors production.