



SLOVENSKI STANDARD

oSIST prEN 442-3:2011

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Ogrevala in konvektorji - 3. del: Ocenjevanje skladnosti

Radiators and convectors - Part 3: Evaluation of conformity

Heizkörper und Konvektoren - Teil 3: Konformitätsbewertung

Radiateurs et convecteurs - Partie 3: Evaluation de la conformité

Ta slovenski standard je istoveten z: prEN 442-3 rev

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ICS:

91.140.10	Sistemi centralnega ogrevanja	Central heating systems
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EUROPEAN STANDARD
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ICS 91.140.10

Will supersede EN 442-3:2003

English Version

Radiators and convectors - Part 3: Evaluation of conformity

Radiateurs et convecteurs - Partie 3: Evaluation de la
conformité

Heizkörper und Konvektoren - Teil 3:
Konformitätsbewertung

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 130.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN 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 CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

[osIST prEN 442-3:2011](https://standards.iteh.ai/catalog/standards/sist/fda86768-d761-49f0-9f19-a1b580d516/osist-pr-en-442-3-2011)

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COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (prEN 442-3:2010) 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 document is currently submitted to the CEN Enquiry.

This document will supersede EN 442-3:2003.

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.

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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, herein after called the standard thermal output.

Considering EN 442-1 is a harmonized standard with reference to Mandate M/129 of the EU Directive 89/106 “CPD” and considering that 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 be consistent and co-ordinated with the above mentioned Annex ZA.

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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

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

- 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 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; [oSIST prEN 442-3:2011](https://standards.iteh.ai/catalog/standards/sist/fda86768-d761-49f0-9f19-6108580d3ff6/osist-pren-442-3-2011)
- pressure tightness;
- rated thermal output;
- thermal outputs 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.

4 Initial evaluation

The radiators/convectors samples for the initial evaluation shall be selected according to 5.2 of EN 442-2. The manufacturer shall make available the product drawings and data according to 5.3 of EN 442-2 which shall be checked.

4.1 Reaction to fire class

The materials from which radiators and convectors are made (steel, cast iron and aluminium) are considered to be reaction to fire Class A1 without the need for testing ¹⁾, provided that organic part in the paint or coating is less than 1 % in mass or volume. In the other cases, material shall be tested and classified according to EN 13501-1, and the resulting class stated.

1) Also according to Commission Decision 96/603/EC, as amended.