

**Lakke paigaldatavad radiaatoripaneelid,
mis sisaldavad vett temperatuuriga alla
120 °C. Tehnilised tingimused ja
nõuded**

Ceiling mounted radiant panels supplied with water
at temperature below 120 °C - Part 1: Technical
specifications and requirements

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14037-1:2003 sisaldab Euroopa standardi EN 14037-1:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 16.05.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14037-1:2003 consists of the English text of the European standard EN 14037-1:2003.</p> <p>This document is endorsed on 16.05.2003 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 defines the technical specifications and requirements of ceiling mounted hot water radiant panels fed with water at temperatures below 120 °C supplied by a remote heat source. The European Standard does not apply to independent heating appliances. The European Standard also defines the additional common data that the manufacturer shall provide to the trade in order to ensure the correct application of the products</p>	<p>Scope: This European Standard defines the technical specifications and requirements of ceiling mounted hot water radiant panels fed with water at temperatures below 120 °C supplied by a remote heat source. The European Standard does not apply to independent heating appliances. The European Standard also defines the additional common data that the manufacturer shall provide to the trade in order to ensure the correct application of the products</p>
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ICS 01.040.91; 91.140.10

English version

Ceiling mounted radiant panels supplied with water at temperature below 120 °C - Part 1: Technical specifications and requirements

Panneaux rayonnants de plafond alimentés en eau à une température inférieure à 120 °C - Partie 1: Spécifications et exigences techniques

Deckenstrahlplatten für Wasser mit einer Temperatur unter 120 °C - Teil 1: Technische Spezifikationen und Anforderungen

This European Standard was approved by CEN on 20 February 2003.

CEN members are bound to comply with the CEN/GENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN 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 CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN 14037-1:2003) 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 October 2003 and conflicting national standards shall be withdrawn at the latest by January 2005.

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).

For relationship with EU Directive(s), see informative annex ZA, which is an integral part of this document.

This European Standard of ceiling mounted radiant panels consists of the following parts:

- Part 1: Technical specifications and requirements,
- Part 2: Test method for thermal output,
- Part 3: Rating method and evaluation of radiant thermal output.

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 ceiling mounted radiant panels falling into the field of application hereinafter stated are traded on the basis of their thermal output. For evaluating and comparing different ceiling mounted radiant panels it is therefore necessary to refer to a single stipulated value.

1 Scope

This European Standard defines the technical specifications and requirements of ceiling mounted hot water radiant panels fed with water at temperatures below 120 °C supplied by a remote heat source.

The European Standard does not apply to independent heating appliances.

The European Standard also defines the additional common data that the manufacturer shall provide to the trade in order to ensure the correct application of the products.

2 Normative references

This European Standard incorporates by dated or undated references, 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 14037-2:2003, *Ceiling mounted radiant panels supplied with water at temperature below 120 °C - Part 2: Test method for thermal output.*

EN 14037-3:2003, *Ceiling mounted radiant panels supplied with water at temperature below 120 °C - Part 3: Rating method and evaluation of radiant thermal output.*

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

3 Terms and definitions

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

3.1

heating appliance

device having the purpose of transferring heat in order to provide specific temperature conditions inside buildings

3.2

independent heating appliance

self-contained heating appliance which does not need to be connected to a remote heat source (e. g. a boiler) as it contains its own heat source (e. g. gas fired appliances, electric appliances, heat pump appliances)

3.3

pre-fabricated ceiling mounted radiant panel

pre-fabricated heat-transmitting device in the form of a heating element fitted with connection components and designed to operate on water flow. The panel is freely suspended above the useful space and designed to be a permanent part of the building although not a part incorporated in the building structure