

**Ehitiste elektripaigaldised. Osa 7: Nõuded
eripaigaldistele ja -paikadele. Jagu 753: Põranda- ja
laeküte**

Electrical installations of buildings - Part 7:
Requirements for special installations or locations -
Section 753: Floor and ceiling heating systems

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-HD 384.7.753 S1:2006 sisaldab Euroopa standardi HD 384.7.753 S1:2002 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 15.01.2003 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 31.10.2002.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-HD 384.7.753 S1:2006 consists of the English text of the European standard HD 384.7.753 S1:2002.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 15.01.2003 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 31.10.2002.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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Võtmesõnad: ehitis, elektripaigaldis, laeküte, põrandaküte

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English version

Electrical installations of buildings
Part 7: Requirements for special installations or locations
Section 753: Floor and ceiling heating systems

Installations électriques des bâtiments
Partie 7: Règles pour les installations
et emplacements spéciaux
Section 753: Systèmes de chauffage
par sol ou plafond

Elektrische Anlagen von Gebäuden
Teil 7: Anforderungen für Betriebsstätten,
Räume und Anlagen besonderer Art -
Hauptabschnitt 753: Fußboden- und
Decken-Flächenheizungen

This Harmonization Document was approved by CENELEC on 2002-05-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning such national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

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CENELEC

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

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Foreword

This Harmonization Document was prepared by SC 64B, Protection against thermal effects, of Technical Committee CENELEC TC 64, Electrical installations of buildings.

The text of the draft was submitted to the formal vote and was approved by CENELEC as HD 384.7.753 S1 on 2002-05-01.

The following dates were fixed:

- latest date by which the existence of the HD
has to be announced at national level (doa) 2002-11-01
- latest date by which the HD has to be implemented
at national level by publication of a harmonized
national standard or by endorsement (dop) 2003-05-01
- latest date by which the national standards conflicting
with the HD have to be withdrawn (dow) 2005-05-01

Annexes designated “normative” are part of the body of the standard.
In this standard, annexes A and ZA are normative.

Introduction

The particular requirements of part 7 supplement, modify or supersede the general requirements of the other parts of HD 384.

The numbers following the particular number of section 753 are those of the corresponding parts, chapters or clauses of HD 384.

The absence of reference to parts, chapters or clauses means that the general requirements of HD 384 are applicable.

753 Floor and ceiling heating systems

753.1 Scope, object, fundamental principals

753.1.1 Scope

This standard applies to the installation of electric floor and ceiling heating systems which are erected as either thermal storage heating system or direct heating system. It does not apply to the installation of wall heating systems.

NOTE A ceiling located under the roof of a building down to a vertical height of 1,50 m measured from the finished floor surface is also regarded as a ceiling within the meaning of this standard.

753.1.2 Normative references

NOTE Normative references to international publications with their corresponding European publications are listed in annex ZA.

753.2 Definitions

For the purpose of this Harmonization Document, the following definitions apply:

753.2.1

thermal storage floor heating system

heating system in which, due to a limited charging period, a restricted availability of electrical energy is converted into heat and dissipated mainly through the surface of the floor to the room, to be heated with an intended time delay

753.2.2

direct heating system

as floor or ceiling heating system denotes a heating installation which generates heat from electrical energy and dissipates it to the room to be heated, with a response time being as low as possible

753.2.3

complementary floor heating

direct heating system integrated into the floor construction e.g. in the border zones close to outer walls which complements the heat dissipation of a thermal storage floor heating system

753.2.4

heating-free area

unheated floor or ceiling area which is completely covered when placing pieces of furniture or kept free for built-in furniture

753.2.5

heating cable

cable, with or without a screen or metal sheath, for a fixed heating system