Swimming pools - Part 1: Safety requirements for design CONSOLIDATED TEXT



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 15288-1:2008+A1:2010 sisaldab Euroopa standardi EN 15288-1:2008+A1:2010 ingliskeelset teksti. This Estonian standard EVS-EN 15288-1:2008+A1:2010 consists of the English text of the European standard EN 15288-1:2008+A1:2010.

Standard on kinnitatud Eesti Standardikeskuse 31.10.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

This standard is ratified with the order of Estonian Centre for Standardisation dated 31.10.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 15.09.2010.

Date of Availability of the European standard text 15.09.2010.

Standard on kättesaadav Eesti standardiorganisatsioonist.

The standard is available from Estonian standardisation organisation.

ICS 97.220.10

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EUROPEAN STANDARD

NORME EUROPÉENNE EUROPÄISCHE NORM

September 2010

EN 15288-1:2008+A1

ICS 97.220.10

Supersedes EN 15288-1:2008

English Version

Swimming pools - Part 1: Safety requirements for design

Piscines - Partie 1 : Exigences de sécurité pour la conception

Schwimmbäder - Teil 1: Sicherheitstechnische Anforderungen an Planung und Bau

This European Standard was approved by CEN on 25 July 2008 and includes Amendment 1 approved by CEN on 9 August 2010.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 15288-1:2008+A1:2010) has been prepared by Technical Committee CEN/TC 136 "Sports, playground and other recreational facilities and equipment", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by March 2011, and conflicting national standards shall be withdrawn at the latest by March 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document includes Amendment 1, approved by CEN on 2010-08-09.

This document supersedes EN 15288-1:2008.

The start and finish of text introduced or altered by amendment is indicated in the text by tags [A] (A).

This standard EN 15288 "Swimming pools" consists of the following parts:

- Part 1: Safety requirements for design
- Part 2: Safety requirements for operation

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

Introduction

To provide a swimming pool which can be managed as safely as possible, considerations have to start with careful design. All of those involved in designing new pools or upgrading existing ones will need to give the highest priority to ensuring that they provide users and staff with a facility that is safe. Four steps need to be developed in order to achieve this:

- a) the layout of the pool hall (if any) and the pool basin (including its dimensions, profile and any water features) should be designed so as to make the safe use and supervision of the pool to achieve without complex or costly management arrangements;
- b) the layout of the ancillary areas, including the changing, clothes storage, shower and toilet areas, should be similarly designed for safe use;
- c) the structural elements, materials, finishes and details, including the pool hall enclosure (if any), basin and equipment and the way they are assembled should be those which are the most appropriate to achieving a safe-to-use physical environment;
- d) criteria relevant for the planning of the safe and functionally correct maintenance.

There are specific sources of information from which the technical design and planning standards that are recommended in the design of swimming pools can be obtained. Everyone who is involved in the process of specifying, designing and constructing pools should be familiar with these design and planning standards and should ensure that they are given careful consideration in all pool projects.

It is also important to draw the attention of all of those involved in the design process to the implications of their work for the pool operator. What might be thought a small change in the layout of the pool or in the finishes specified could have a significant impact on the ability of the pool to be used safely. If that change is ill-considered and creates a serious design flaw, the result might be an increase in accidents. More likely it will be an increase in the cost of operating the pool (perhaps through the employment of additional staff) in order to compensate for the resulting problems.

One way of anticipating the management consequences of design decisions is to include a qualified/competent person on the design team. The person should give advice and guidance during the various development stages of the project.

This standard includes requirements, recommendations and notes. While compliance with requirements is mandatory, recommendations indicate best practices and notes give additional information and/or explanations.

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1 Scope

This European Standard specifies safety requirements relevant to certain aspects of design and construction of classified pools according to Clause 4. It is intended for those who are concerned with construction, planning and operation of classified swimming pools. It provides guidance about the risks associated by identifying the design characteristics required for a safe environment.

The requirements of this European Standard are applicable to all new classified pools and, as appropriate, to specific refurbishments of classified existing pools.

This European Standard has limited application to classified pools which consist of segregated areas of rivers, lakes or the sea but should be followed where relevant.

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 1838, Lighting applications — Emergency lighting

EN 13451-1:2001, Swimming pool equipment — Part 1: General safety requirements and test methods

EN 13451-2, Swimming pool equipment — Part 2: Additional specific safety requirements and test methods for ladders, stepladders and handle bends

EN 13451-8:2001, Swimming pool equipment — Part 8: Additional specific safety requirements and test methods for leisure water features

ISO 7010, Graphical symbols — Safety colours and safety signs — Safety signs used in workplaces and public areas

HD 384.7.702 S2, Electrical installations of buildings — Part 7: Requirements for special installations or locations; Section 702: Swimming pools and other basins (IEC 60364-7-702:1997, modified)

3 Terms and definitions

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

3.1

pool/swimming pool

facility, with one or more water areas, intended for swimming, leisure or other water based physical activities

3.2

indoor swimming pool

one or more constructed water areas for bathing enclosed in a building, covered by a roof (fixed or moveable)

3.3

outdoor swimming pool

one or more constructed open-air water areas for bathing

3.4

private use

use of an installation designated solely for the owner's/proprietor's/operator's family and guests including the use connected with renting houses for family use