



SLOVENSKI STANDARD

SIST EN 16489-1:2014

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Strokovne storitve v solarijih - 1. del: Zahteve za zagotavljanje usposabljanja

Professional indoor UV exposure services - Part 1: Requirements for the provision of training

Professionelle Dienstleistungen in Sonnenstudios - Teil 1: Anforderungen an die Bereitstellung von Ausbildungsdienstleistungen

Services professionnels de bronzage en cabine - Partie 1: Exigences relatives à la formation du personnel

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ICS:

03.080.30 Storitve za potrošnike Services for consumers

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EUROPEAN STANDARD

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English Version

Professional indoor UV exposure services - Part 1: Requirements for the provision of training

Services professionnels de bronzage en cabine - Partie 1:
Exigences relatives à la formation du personnel

Professionelle Dienstleistungen in Sonnenstudios - Teil 1:
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Ausbildungsdienstleistungen

This European Standard was approved by CEN on 27 December 2013.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 16489-1:2014) has been prepared by Technical Committee CEN/TC 412 "Project Committee – Indoor sun exposure services", the secretariat of which is held by ASI.

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 2014, and conflicting national standards shall be withdrawn at the latest by October 2014.

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.

EN 16489, *Professional indoor UV exposure services*, consists of three parts:

- Part 1: Requirements for the provision of training;
- Part 2: Required qualification and competence of the indoor UV exposure consultant;
- Part 3: Requirements for the provision of services.

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

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Introduction

Over the years, the quality and safety of indoor tanning devices – without which a tanning facility cannot operate – have improved. This is especially the case since the publication of EN 60335-2-27, which limits the erythemal irradiance to 0,3 W/m².

On the other hand, safe use of commercially offered indoor tanning devices is critically dependent on the way the service is provided. Particularly important is the way in which potential customers are informed about the proper use of tanning devices taking into account the personal characteristics of the consumer. Together with Part 2 [1], this part of EN 16489 contributes to further strengthening consumer information, protection and safety with regard to commercially offered indoor tanning services by defining the requirements for training courses for indoor UV exposure consultants.

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1 Scope

Part 1 of EN 16489 specifies the learning contents essential for the training of indoor UV exposure consultants. Part 1 of EN 16489 also specifies the procedures of how the qualification of the trainees shall be provided and assessed.

Requirements for UV appliances for skin exposure are excluded from this European Standard as they fall within the scope of EN 60335-2-27.

2 Normative references

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

EN 60335-2-27:2013, *Household and similar electrical appliances – Safety – Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation (IEC 60335-2-27:2009, modified)*

3 Terms and definitions

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

3.1

tanning

formation and darkening of the melanin pigments in the skin due to UV exposure

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3.2

indoor tanning facility

facility where professional indoor tanning via UV devices is offered

3.3

indoor tanning device

device used for indoor UV exposure

3.4

UV appliance

appliance incorporating UV emitters for tanning purposes

3.5

indoor UV exposure consultant

person working for a professional indoor tanning facility and giving information and advice on UV exposure to potential consumers

3.6

trainee

person following a training course to become an indoor UV exposure consultant

3.7

training

process to develop the knowledge, skills and behaviour to meet the requirements of an indoor UV exposure consultant

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3.8 qualification
 proven ability to meet the requirements of this European Standard in terms of theoretical and practical knowledge necessary to perform the provision of services

4 Learning contents**4.1 Theoretical training****4.1.1 General content**

General learning content of the training course shall provide in depth knowledge of the main aspects of

- radiation;
- its impact upon the skin and the eye;
- technical details and safety features of the equipment being used in professional tanning facilities.

Moreover, the course shall provide knowledge of

- responsible operating of UV emitting equipment;
- responsible sunbathing in general;
- maintenance, cleaning and disinfection of indoor tanning devices;
- national legislation and standards.

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4.1.2 Specific content

The following specific learning content shall be provided in the theoretical training:

- a) Radiation (natural versus artificially generated UV):
 - different ranges of optical radiation and importance of the spectral distribution;
 - natural sun in comparison with artificially generated radiation of tanning devices;
 - lamp spectral distribution and irradiance as well as irradiance limits of devices as given in EN 60335-2-27;
 - influence of optical components of the UV device on the lamp spectral distribution and irradiance;
- b) structure and functions of the skin and tanning mechanisms;
- c) structure of the eye, effects of UV exposure, and use of eye protection;
- d) UV exposure equipment:
 - various types and functioning of indoor tanning devices;
 - various types and functioning of lamps/ultraviolet emitters;
 - various types and functioning of filters;

- technical requirements and safety features of indoor tanning devices as specified in EN 60335-2-27;
- e) UV exposure and health effects:
 - risk of sunburn and related skin cancer risks by UV exposure;
 - possible phototoxic and/or photo allergic reactions;
 - permanent and temporary damage to the skin and eyes through UV exposure;
 - UV exposure and cosmetics, including perfume and deodorants;
 - UV exposure and medication (for example medication with immunosuppressive or photosensitive effects such as anti-inflammatories);
 - UV exposure effects on tattoos and scars;
 - polymorphic light eruption (PLE, also known as sun allergy);
 - unintentional UV exposure;
 - other negative effects of UV exposure;
 - risks of indoor UV exposure to pregnant women;
 - possible benefits of moderate UV exposure;
- f) responsible indoor UV exposure:
 - minimum erythematol dose and standard erythematol dose;
 - how to determine a skin type, for example, via a questionnaire or special equipment;
 - how to determine an individual exposure schedule (tanning programme);
 - understand the precautions given in EN 60335-2-27 before indoor UV exposure is taken.

NOTE The guidelines for the development of an exposure schedule are already stated in EN 60335-2-27:2013, Annex DD (informative).

- g) hygiene:
 - scheme for disinfection under consideration of the instructions for use of the disinfectant (e.g. dilution and effective time of action);
 - scheme for cleaning; manual on how to clean the different surfaces.

Cleaning and disinfection may only be done with cleaning agents developed for the specific area (UV exposure device, floors, toilets, other surfaces).

- h) communication skills on how to advise the customer, including rejection.

4.2 Practical training

4.2.1 General

The following learning content shall be provided in the practical training.