

---

**Oprema za profesionalne kuhinje - Sestavni deli za prezračevanje kuhinj - 3. del:  
Prezračevanje kuhinjskih stropov - Projektiranje in varnostne zahteve - Dopolnilo  
A1**

Equipment for commercial kitchens - Components for ventilation in commercial kitchens -  
Part 3: Kitchen ventilation ceilings; design and safety requirements

Einrichtungen in gewerblichen Küchen - Elemente zur Be- und Entlüftung - Teil 3:  
Küchenlüftungsdecken; Gestaltungs- und Sicherheitsanforderungen

(standards.iteh.ai)

Équipement pour cuisines professionnelles - Éléments de ventilation pour cuisines  
professionnelles - Partie 3 : Plafonds de ventilation de cuisine - Conception et exigences  
de sécurité

SIST EN 16282-3:2017/oprA1:2020  
<https://standards.iteh.ai/catalog/standards/sist/70ccb542-e2bd-4922-b757-2a7fd0870bb/sist-en-16282-3-2017-opra1-2020>

**Ta slovenski standard je istoveten z: EN 16282-3:2016/prA1**

---

**ICS:**

91.140.30	Prezračevalni in klimatski sistemi	Ventilation and air-conditioning systems
97.040.99	Druga kuhinjska oprema	Other kitchen equipment

**SIST EN 16282-3:2017/oprA1:2020**      **en,fr,de**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN 16282-3:2017/oprA1:2020](https://standards.iteh.ai/catalog/standards/sist/70ccb542-e2bd-4922-b757-2a7f6d0870bb/sist-en-16282-3-2017-opra1-2020)

<https://standards.iteh.ai/catalog/standards/sist/70ccb542-e2bd-4922-b757-2a7f6d0870bb/sist-en-16282-3-2017-opra1-2020>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**EN 16282-3:2016**  
**prA1**

March 2020

ICS 97.040.99

English Version

## Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 3: Kitchen ventilation ceilings; design and safety requirements

Équipement pour cuisines professionnelles - Eléments de ventilation pour cuisines professionnelles - Partie 3 : Plafonds de ventilation de cuisine - Conception et exigences de sécurité

Einrichtungen in gewerblichen Küchen - Elemente zur Be- und Entlüftung - Teil 3: Küchenlüftungsdecken; Gestaltungs- und Sicherheitsanforderungen

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 156.

This draft amendment A1, if approved, will modify the European Standard EN 16282-3:2016. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment 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.

CEN members are the national standards bodies of 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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.

**Warning** : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

<b>Contents</b>		<b>Page</b>
	European foreword.....	3
1	Modification to 2, Normative references.....	4
2	Modification to Table 2, Materials.....	4
3	Modification to 6.10, Earth bonding.....	5

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN 16282-3:2017/oprA1:2020](https://standards.iteh.ai/catalog/standards/sist/70ccb542-e2bd-4922-b757-2a7f6d0870bb/sist-en-16282-3-2017-opra1-2020)  
<https://standards.iteh.ai/catalog/standards/sist/70ccb542-e2bd-4922-b757-2a7f6d0870bb/sist-en-16282-3-2017-opra1-2020>

## European foreword

This document (EN 16282-3:2016/prA1:2020) has been prepared by Technical Committee CEN/TC 156 "Ventilation for buildings", the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

The activities of CEN/TC 156/WG 14 cover the calculation of the air volume and the design and testing of major components of ventilation equipment for commercial kitchens.

The structure of the standard series is as follows:

EN 16282, *Equipment for commercial kitchens – Components for ventilation in commercial kitchens*

- *Part 1: General requirements including calculation method*
- *Part 2: Kitchen ventilation hoods; design and safety requirements*
- *Part 3: Kitchen ventilation ceilings; design and safety requirements*
- *Part 4: Air inlets and outlets; design and safety requirements*
- *Part 5: Air duct; design and dimensioning*
- *Part 6: Aerosol separators; design and safety requirements*
- *Part 7: Installation and use of fixed fire suppression systems*
- *Part 8: Installations for treatment of cooking fumes; requirements and testing*

**STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 16282-3:2017/oprA1:2020  
<https://standards.iteh.ai/catalog/standards/sist/70ccb542-e2bd-4922-b757-2a7fd0870bb/sist-en-16282-3-2017-oprA1-2020>

## EN 16282-3:2016/prA1:2020 (E)

**1 Modification to 2, Normative references**

Replace the following reference:

"EN 50164 (all parts), *Lightning Protection Components (LPC)*"

with:

"EN 50310, *Telecommunications bonding networks for buildings and other structures*".

**2 Modification to Table 2, Materials**

Replace Table 2 with the following: "

Component element/part	Material	Surface
Light fittings	stainless steel aluminium steel <sup>c</sup>	anodised or coated galvanised
Cover fitted lighting	safety glass Polycarbonate <sup>e</sup>	
Fixings	stainless steel steel	galvanised
Sub-construction	stainless steel steel	galvanised
Division plenums	stainless steel aluminium aluminium steel	blank anodised or coated galvanised
Air chamber	stainless steel aluminium aluminium steel	blank anodised or coated galvanised
Ceiling pressure room	stainless steel aluminium aluminium steel concrete plasterboard/Aquapanel® <sup>1</sup>	blank anodised or coated galvanised see 6.4 blank, water-resistant

<sup>1</sup>Aquapanel® is a product supplied by Knauf Aquapanel GmbH & Co. KG. This information is given for the convenience of users of this International Standard and does not constitute an endorsement by CEN of the product named. Equivalent products may be used if they can be shown to lead to the same results.

Component element/part	Material	Surface
Installations visible on the room side such as channel sections, wall sections and other bearing sections and bearing heads	stainless steel	brushed or ground or coated
	aluminium	anodised or coated
Ceiling cassettes, ceiling panels and ceiling coatings <sup>a</sup>	stainless steel	brushed, ground or coated
	aluminium	anodised or coated
	aluminised steel	Coated
Extract and supply air boxes <sup>a</sup> <sup>d</sup>	stainless steel	brushed or ground
	steel <sup>c</sup>	galvanised
	aluminium <sup>c</sup>	blank
	aluminium	anodised or coated
Aerosol separators <sup>a b</sup>	stainless steel	blank
	stainless steel	brushed
	stainless steel	polished
	stainless steel	coated
	aluminium	anodised or coated
	aluminised steel	coated
Aerosol collecting channel	stainless steel	brushed
	stainless steel	polished
	stainless steel	coated
	aluminium	anodised or coated

<sup>a</sup> attention to problem with corrosion in the area of rinsing tanks

<sup>b</sup> in production kitchens, anodised or coated aluminium is not admissible. The exceptions to this rule are extruded profiles which, however, shall not be used in the form of separating modules (aerosol separators)

<sup>c</sup> if in a non-visible area

<sup>d</sup> if used as a displacement air passage component, stainless steel, aluminium anodised or coated shall be used exclusively

<sup>e</sup> the material shall be self-extinguishing

### 3 Modification to 6.10, Earth bonding

Replace the 1<sup>st</sup> paragraph:

"The relevant requirements of the EN 50164 series shall be observed."

with

"The relevant requirements of EN 50310 shall be observed."