

HOONETE VENTILATSIOON. TORUSTIK.
VENTILATSIOONISÜSTEEMIDE PUHTUS

Ventilation for buildings - Ductwork - Cleanliness of
ventilation systems

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 15780:2025 sisaldab Euroopa standardi EN 15780:2025 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 23.07.2025.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 15780:2025 consists of the English text of the European standard EN 15780:2025.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 23.07.2025.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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EUROPEAN STANDARD

EN 15780

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Ventilation for buildings - Ductwork - Cleanliness of ventilation systems

Ventilation des bâtiments - Réseaux de conduits -
Propreté des systèmes de ventilation

Lüftung von Gebäuden - Luftleitungen - Sauberkeit von
Lüftungsanlagen

This European Standard was approved by CEN on 16 June 2025.

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

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European foreword

This document (EN 15780:2025) has been prepared by Technical Committee CEN/TC 156 “Ventilation for buildings”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by January 2026, and conflicting national standards shall be withdrawn at the latest by January 2026.

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

This document supersedes EN 15780:2011.

EN 15780:2025 includes the following significant technical changes with respect to EN 15780:2011:

- addition of kitchen extract ventilation system (Annex J);
- addition of wiping test method to evaluate cleanliness on site (Annex K).

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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Introduction

This document provides test methods and classifications for cleanliness in ventilation systems.

This document is made with informative annexes that can be revised, completed and further added in future revisions of this document for specific system types, and products or applications in the system.

See Annexes A, B, C, D, E, F, G, H, I, J and K for further information.

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1 Scope

This document specifies general requirements and gives guidelines for ventilation systems except for industrial, medical and laboratory facilities.

This document also specifies cleanliness criteria and procedures necessary in assessing and maintaining the cleanliness of ventilation systems over their lifetime from design and installation to maintenance.

This document is applicable to both new and existing ventilation systems with, and without, air conditioning and kitchen extract systems.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 12792, *Ventilation for buildings — Symbols, terminology and graphical symbols*

3 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1 acceptable cleanliness level
amount of dust or other contaminants not to be exceeded according to the specified measurement method

3.2 acceptable post-clean level
no loose dust (clean-swept condition) or no adhered grease deposits are detected visually on the duct surface after cleaning and the system can reach an acceptable cleanliness level according to a specified measurement method

Note 1 to entry: In case of conflict (for example, between the building owner and the user), or uncertainty, objective methods are needed to assess the cleanliness/dirtiness.

3.3 cleanliness
state or amount of pollution according to specification and a particular measurement method

Note 1 to entry: Cleanliness is not absolute; it is defined by limit values.

3.4 dirtiness
value above limit value for cleanliness