

ÜHEKOMPONENTSE VAHU ISELOOMUSTAMINE. OSA 5: ISOLATSIOONIOMADUSED

Characterisation of one component foam - Part 5:
Insulation

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN 17333-5:2020 sisaldab Euroopa standardi EN 17333-5:2020 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 18.03.2020.</p> <p>Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN 17333-5:2020 consists of the English text of the European standard EN 17333-5:2020.</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 18.03.2020.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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ICS 83.180

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English Version

Characterisation of one component foam - Part 5: Insulation

Caractérisation des mousses monocomposants - Partie
5 : Isolation

Charakterisierung von Einkomponentenschäumen -
Teil 5: Dämmung

This European Standard was approved by CEN on 1 December 2019.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN 17333-5:2020) has been prepared by Technical Committee CEN/TC 193 “Adhesives”, the secretariat of which is held by UNE.

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of an identical text or by endorsement, at the latest by September 2020, and conflicting national standards shall be withdrawn at the latest by September 2020.

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 is one of the product European Standards within the framework series of EN 17333 on Characterisation of one component foam, as follows:

- *Part 1: Foam yield characteristics;*
- *Part 2: Expansion characteristics;*
- *Part 3: Application;*
- *Part 4: Mechanical strength;*
- *Part 5: Insulation (this document).*

This document is one of a series of standards that specify test methods for determining the properties of one component foams (OCFs).

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, 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 the United Kingdom.

1 Scope

This document specifies test methods for the evaluation of the insulation properties for moisture curing, self-curing activatable or water drying foams dispensed from single pressurised foam containers.

This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this document to establish appropriate safety and health practices and determine the applicability of regulatory requirements prior to use.

The following test method is described:

- Thermal conductivity: This method describes how to determine the long term thermal conductivity of a cured OCF foam, dispensed from a pressurised foam container, with a sample subjected to accelerated ageing procedure.

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 923, *Adhesives - Terms and definitions*

EN 12667, *Thermal performance of building materials and products — Determination of thermal resistance by means of guarded hot plate and heat flow meter methods — Products of high and medium thermal resistance*

EN 15006, *Metal aerosol containers — aluminium containers — dimensions of the 25,4 mm aperture*

EN 14847, *Aerosol containers — Tinplate containers — Dimensions of the 25,4 mm aperture*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 923 and the following apply.

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

— ISO Online browsing platform: available at <https://www.iso.org/obp/ui>

— IEC Electropedia: available at <http://www.electropedia.org/>

3.1

one component foam (OCF)

moisture curing or water drying foam as well as self-curing activatable foam dispensed from a single pressurised foam container

3.2

pressurised foam container

pressurised can according to EN 14847 and EN 15006

3.3

test container

pressurised can according to EN 14847 and EN 15006 used for testing purposes