

**ÜHEKOMPONENTSE VAHU ISELOOMUSTAMINE. OSA 2:
PAISUMISOMADUSED**

**Characterisation of one component foam - Part 2:
Expansion characteristics**

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-EN 17333-2:2020 sisaldab Euroopa standardi EN 17333-2:2020 ja selle paranduse AC:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 17333-2:2020 consists of the English text of the European standard EN 17333-2:2020 and its corrigendum AC:2020.
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English Version

Characterisation of one component foam - Part 2: Expansion characteristics

Caractérisation des mousses monocomposants - Partie
2 : Caractéristiques d'expansion

Charakterisierung von Einkomponentenschäumen -
Teil 2: Ausdehnung

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

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

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Contents

Page

European foreword.....	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions	4
4 Test methods	5
4.1 Method 1 – Dimensional stability.....	5
4.1.1 Principle	5
4.1.2 Equipment	5
4.1.3 Sampling.....	6
4.1.4 Test procedure.....	6
4.1.5 Expression of results.....	10
4.1.6 Test report.....	11
4.2 Method 2 – Curing pressure	12
4.2.1 Principle	12
4.2.2 Equipment	12
4.2.3 Sampling.....	12
4.2.4 Test procedure.....	12
4.2.5 Expression of results.....	15
4.2.6 Test report.....	15
4.3 Method 3 – Post expansion	16
4.3.1 Principle	16
4.3.2 Equipment	16
4.3.3 Sampling.....	16
4.3.4 Test procedure.....	17
4.3.5 Expression of results.....	19
4.3.6 Test report.....	20
Annex A (informative) Example of the presentation of the dimensional stability results	21
Bibliography.....	22

European foreword

This document (EN 17333-2:2020) 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of an identical text or by endorsement, at the latest by September 2020, and conflicting national standards shall be withdrawn at the latest by September 2020.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 Characterization of one component foam, as follows:

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

This document is one of a series of standards which 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 expansion properties for moisture curing, self-curing activatable or water drying foams dispensed from single pressurized 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 methods are described:

- Method 1 – Dimensional stability: This test method describes how to determine the dimensional stability (shrinkage or expansion) of cured foam under typical and extreme conditions.
- Method 2 – Curing pressure: This method describes how to determine the generation of pressure during the curing process of an OCF.
- Method 3 – Post expansion: This method describes how to measure the expansion of a dispensed froth during the curing phase.

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 312, *Particleboards - Specifications*

EN 923, *Adhesives - Terms and definitions*

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