

Klaas ehitusmaterjalina. Spetsiaalsed põhitooted. Osa 2: Klaaskeraamika

Glass in building - Special basic products - Part 2: Glass
ceramics

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1748-2:2000 sisaldab Euroopa standardi EN 1748-2:1997 ingliskeelset teksti.

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Descriptors: construction, glass, glassware, glass ceramics, mechanical properties, physical properties, dimensions, dimensional tolerances, defects, measurements, viewing conditions

English version

**Glass in building - Special basic products - Part 2:
Glass ceramics**

Verre dans la construction - Produits de base
spéciaux - Partie 2: Vitrocéramiques

Glas im Bauwesen - Spezielle Basiserzeugnisse
- Teil 2: Glaskeramik

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CEN

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Comité Européen de Normalisation
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Contents

Foreword

- 1** **Scope**
- 2** **Normative references**
- 3** **Definitions**
- 4** **Chemical composition**
 - 4.1 Principal constituents
 - 4.2 Tint
- 5** **Physical and mechanical characteristics**
 - 5.1 General characteristics
 - 5.2 Definition of clear glass ceramic
 - 5.3 Stability of physical and chemical characteristics
- 6** **Dimensional requirements**
 - 6.1 Thickness and tolerances
 - 6.2 Length, width, squareness and tolerances
- 7** **General quality criteria**
 - 7.1 Optical
 - 7.2 Appearance
- 8** **Quality requirements**
 - 8.1 Optical faults
 - 8.2 Visual faults
 - 8.3 Methods of observation and measurement
 - 8.4 Acceptance levels
- 9** **Designation**

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 129 "Glass in building", the secretariat of which is held by IBN.

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of an identical text or by endorsement, at the latest by February 1998, and conflicting national standards shall be withdrawn at the latest by February 1998

This European Standard consists of the following parts, under the general title "Glass in building - Special basic products" :

- Part 1 : Borosilicate glasses
- Part 2 : Glass ceramics
- Part 3 : Evaluation of conformity of borosilicate glasses and glass ceramics.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This European Standard defines, specifies and classifies glass ceramics for use in building. It indicates their chemical composition, main physical and mechanical properties, dimensional and minimum quality requirements (in respect of optical and visual faults).

This standard applies only to glass ceramics supplied in stock sizes.

This standard does not apply to glass ceramics supplied in cut sizes for final end use.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

prEN 410 Glass in building - Determination of light transmittance, solar direct transmittance, total solar energy transmittance, ultraviolet transmittance and related glazing characteristics

3 Definitions

For the purposes of this European Standard the following definitions apply:-

3.1 glass ceramic: A type of glass consisting of a crystalline and a residual glass phase. The glass is obtained by normal glass manufacturing methods, e.g. casting, rolling, drawing, floating, and is subsequently subjected to a heat treatment which transforms, in a controlled manner, part of the glass into a fine grained crystalline phase. The glass ceramic has properties which deviate from those of the glass from which it was transformed.

3.2 floated glass ceramic: Flat, transparent or translucent, clear or tinted glass ceramic having parallel and polished faces obtained by continuous casting and flotation on a metal bath.

3.3 drawn sheet glass ceramic: Flat, transparent or translucent, clear or tinted glass ceramic obtained by continuous drawing, initially vertically, of a regular thickness and with the two surfaces fire polished.

3.4 rolled glass ceramic: Flat, transparent or translucent, clear or tinted glass ceramic obtained by continuous casting and rolling.

3.5 nominal length, H : Pane length defined with reference to the direction of draw of the glass ribbon as shown in figure 1.