



SLOVENSKI STANDARD

SIST EN 17871:2024

01-julij-2024

Steklo v gradbeništvu - Spektrofotometrične značilnosti steklenih izdelkov - Validacijski postopek za računsko orodje

Glass in building - Spectrophotometric characteristics of glass products - Validation procedure for calculation tool

Glas im Bauwesen - Spektralphotometrische Eigenschaften von Glasprodukten - Validierungsverfahren für das Berechnungstool

Verre dans la construction - Caractéristiques spectrophotométriques des produits verriers - Mode opératoire de validation pour l'outil de calcul

Ta slovenski standard je istoveten z: EN 17871:2024

[SIST EN 17871:2024](https://standards.sist.net/catalog/standards/sist/5057e057-5011-40c8-b5d1-cd3328c12579/sist-en-17871-2024)

ICS:

81.040.20 Steklo v gradbeništvu Glass in building

SIST EN 17871:2024

en,fr,de

EUROPEAN STANDARD

EN 17871

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2024

ICS 81.040.20

English Version

Glass in building - Spectrophotometric characteristics of glass products - Validation procedure for calculation tool.

Verre dans la construction - Caractéristiques spectrophotométriques des produits verriers - Procédure de validation des outils de calcul

Glas im Bauwesen - Spektralphotometrische Eigenschaften von Glasprodukten - Validierungsverfahren für das Berechnungstool

This European Standard was approved by CEN on 29 January 2024.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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, Türkiye and United Kingdom.

Document Preview

[SIST EN 17871:2024](https://standards.iteh.ai/catalog/standards/sist/5689e654-36f1-46eb-83d4-ed33a5a6f259/sist-en-17871-2024)

<https://standards.iteh.ai/catalog/standards/sist/5689e654-36f1-46eb-83d4-ed33a5a6f259/sist-en-17871-2024>



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

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

Contents	Page
European foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Validation procedure	6
4.1 General outline	6
4.2 Choice of the reference products and data	6
4.3 Reference calculation tool	10
4.4 Calculation program to be validated	10
4.5 Comparison procedure	10
4.6 Difference criteria	10
4.7 Calculation tool update validation	10
4.8 Report content	11
Bibliography	12

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[SIST EN 17871:2024](https://standards.iteh.ai/catalog/standards/sist/5689e654-36f1-46eb-83d4-ed33a5a6f259/sist-en-17871-2024)

<https://standards.iteh.ai/catalog/standards/sist/5689e654-36f1-46eb-83d4-ed33a5a6f259/sist-en-17871-2024>

European foreword

This document (EN 17871:2024) has been prepared by Technical Committee CEN/TC 129 “Glass in building”, the secretariat of which is held by NBN.

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 October 2024, and conflicting national standards shall be withdrawn at the latest by October 2024.

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.

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.

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, Türkiye and the United Kingdom.

iTeh Standards
(<https://standards.itih.ai>)
Document Preview

[SIST EN 17871:2024](https://standards.itih.ai/catalog/standards/sist/5689e654-36f1-46eb-83d4-ed33a5a6f259/sist-en-17871-2024)

<https://standards.itih.ai/catalog/standards/sist/5689e654-36f1-46eb-83d4-ed33a5a6f259/sist-en-17871-2024>

EN 17871:2024(E)

Introduction

EN 410 is in part a measurement standard and in part a calculation standard. EN 673 is a calculation method based on input of the emissivity according to EN 12898. The Annex ZAs of the harmonized standards for glass assign the initial determination of both radiation and thermal properties as tasks for a notified laboratory (AVCP system 3).

Under AVCP system 3, when some characteristics have to be calculated (e.g. U value, g value, ...) the manufacturer undertakes the calculation according to the relevant standards. In this case, the calculation tool is validated by a notified body who provides a report according to this document.

The purpose of this document is to cover only those energy conservation and heat retention characteristics that are stated on the Declaration of Performance under the EU Regulation 305/2011, namely:

- thermal properties
- radiation properties: light transmittance and reflectance
- radiation properties: solar energy characteristics

Characteristics other than the above are not covered as they are not required for the Declaration of Performance.

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[SIST EN 17871:2024](https://standards.iteh.ai/catalog/standards/sist/5689e654-36f1-46eb-83d4-ed33a5a6f259/sist-en-17871-2024)

<https://standards.iteh.ai/catalog/standards/sist/5689e654-36f1-46eb-83d4-ed33a5a6f259/sist-en-17871-2024>