SLOVENSKI STANDARD

SIST EN 772-16:2002/A2:2005

01-april-2005

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Methods of test for masonry units - Part 16: Determination of dimensions

Prüfverfahren für Mauersteine - Teil 16: Bestimmung der Maße

Méthodes d'essai des éléments de maçonnerie - Partie 16 : Détermination des dimensions

Ta slovenski standard je istoveten z: **EN 772-16:2000/A2:2005**

<u>**ICS:**</u>

91.100.15	Mineralni materiali in izdelki	Mineral materials and products

SIST EN 772-16:2002/A2:2005 **en**

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 772-16:2000/A2

February 2005

ICS 91.100.30

English version

Methods of test for masonry units - Part 16: Determination of dimensions

Méthodes d'essai des éléments de maçonnerie - Partie 16 : Détermination des dimensions

Prüfverfahren für Mauersteine - Teil 16: Bestimmung der Maße

This amendment A2 modifies the European Standard EN 772-16:2000; it was approved by CEN on 29 December 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This amendment 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

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Ref. No. EN 772-16:2000/A2:2005: E

EN 772-16:2000/A2:2005 (E)

Contents

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Foreword

This document (EN 772-16:2000/A2:2005) has been prepared by Technical Committee CEN/TC 125 "*Masonry*", the Secretariat of which is held by BSI.

This Amendment to the European Standard EN 772-16:2000 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2005, and conflicting national standards shall be withdrawn at the latest by August 2005.

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

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EN 772-16:2000/A2:2005 (E)

1 Modification in 1 Scope

After "thickness" insert "and combined thickness".
Delete "and depth of voids" and substitute ", depth of voids and plane parallelism of the bed faces".

2 Modification in 2 Normative references

Delete "pr" at the start of three of the listed references, prENs 771-1, 771-3 and 771-5

3 Modification in 3 Principle

Delete "and the thickness of shells and webs" and substitute ", the thickness of shells and webs, depth of holes and plane parallelism of bed faces"
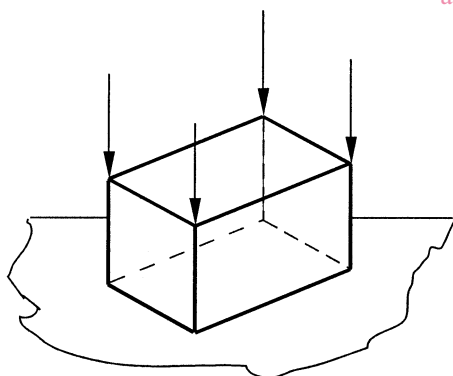
4 Modification in 6.1 Sampling

After "shall be six" insert "except in the determination of combined thickness and plane parallelism, where it is three"

5 Modification in 7.1 Length, width and height

Insert "Procedure c)." at the start of the last paragraph

Add new "Figure 1 d) Measurement positions"

6 New 7.4 Plane parallelism of the bed faces

Add the following new subclause:

"7.4 Plane parallelism of the bed faces

Where required by the relevant part of EN 771, determine the plane parallelism of the bed faces of the unit using procedure d) and as shown in Figure 1d).

Procedure d). Ensure that the masonry unit is positioned in a stable manner on a flat dimensionally stable surface prior to the measurement. Measure the distance from the flat surface to the top of the bed face on all four corners of the masonry unit. State the result of each measurement to the nearest 0.2 mm."

7 New 7.5 Combined thickness of webs and shells

Add the following new subclause:

"7.5 Combined thickness of webs and shells

Determine the combined thickness of webs and shells. This is the sum of the thicknesses of individual webs and shells on a path linking the formed voids and going from one face to the opposite face and/or one header to the opposite header. Determine the thickness of each individual web or shell in accordance with 7.2.

NOTE   The path which is chosen may not be a straight line, but is the one which gives the lowest combined thickness. Some examples are shown in Annex A."

8 Modification in 8 Calculation and expression of results

Add the following to the end of the subclause:
"Calculate the deviation from plane parallelism as the difference between the maximum and minimum measured distance from the corner of the top bed face of the masonry unit to the flat surface and express it to the nearest 0.2 mm. The deviation from plane parallelism is taken to be the largest value from all of the units expressed to the nearest 0.2 mm.

Calculate the sum of the thicknesses of the longitudinal webs and shells along the imaginary path from one face to the opposite face of the unit to the nearest 0.5 mm. Express the result as a percentage of the width of the unit to the nearest percent.
Calculate the sum of the thicknesses of the transverse webs and shells along an imaginary path from one header to the opposite header of the unit to the nearest 0.5 mm. Express the result as a percentage of the length of the unit to the nearest percent."

9 Modification in 9 Test report

Delete existing l).
Add new l), m), n) and o) as follows:

"l) maximum deviation from plane parallelism for each unit to the nearest 0.2 mm;

m) combined thickness of longitudinal webs and shells, which is the mean of the values for the individual units expressed to the nearest percent;

n) combined thickness of transverse webs and shells, which is the mean of the values for the individual units expressed to the nearest percent;

o) remarks, if any."

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10 New Annex A (informative)

Add the following new Annex:

Annex A
(informative)

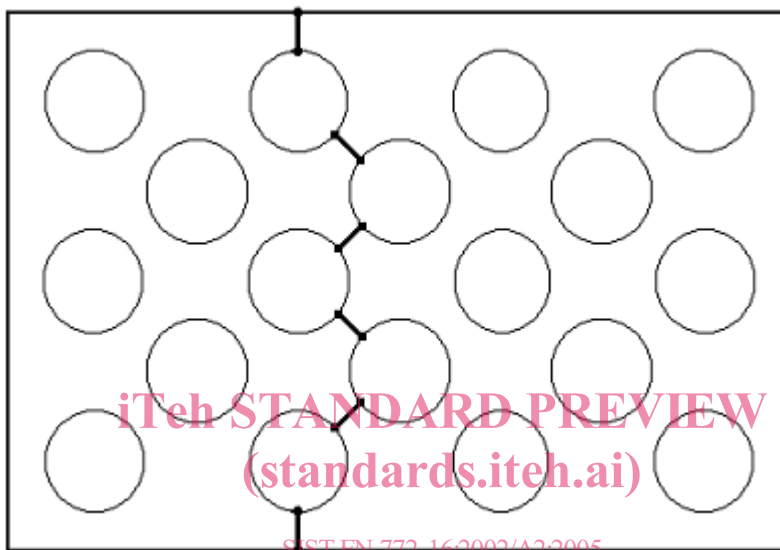**Examples of paths chosen for the measurement of combined thickness**

Figure A.1 – Example of the shortest path from face to face for the determination of the minimum sum of the thickness of longitudinal webs and shells
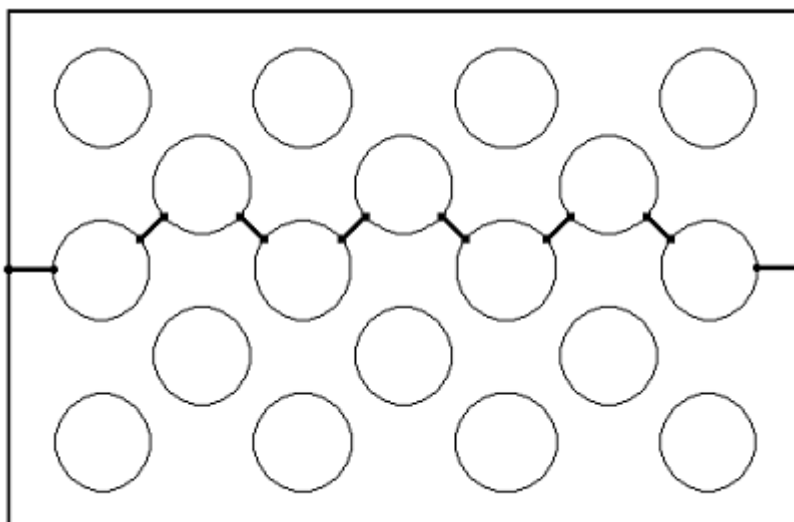

Figure A.2 – Example of the shortest path from header to header for the determination of the minimum sum of the thickness of transverse webs and shells
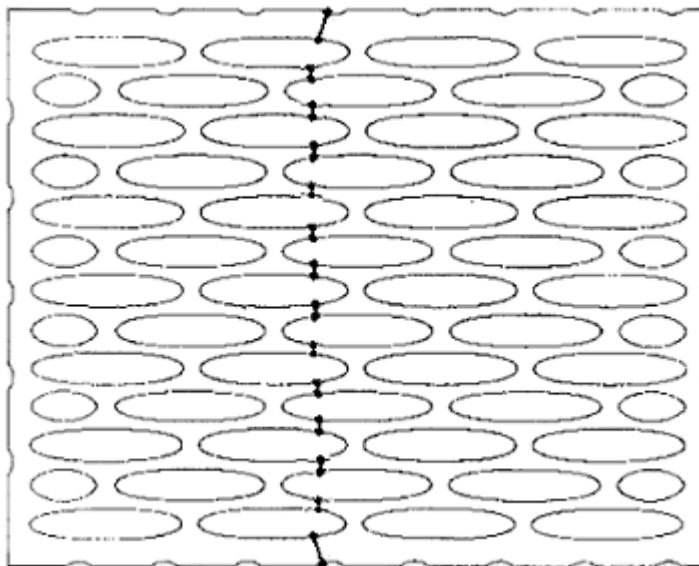
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Figure A.3 - Example of the shortest path from face to face for the determination of the minimum sum of the thickness of longitudinal webs and shells
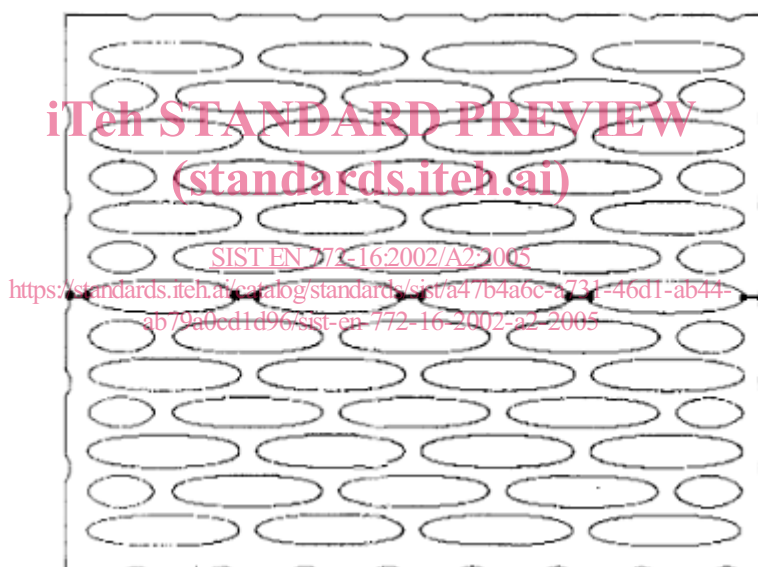

Figure A.4 – Example of the shortest path from header to header for the determination of the minimum sum of the thickness of transverse webs and shells