

Vervangt NEN-EN 14617-16:2003 Ontw.

Nederlandse norm

# NEN-EN 14617-16 (en)

Steen van agglomeraat - Beproevingmethoden  
- Deel 16: Bepaling van afmetingen,  
geometrische eigenschappen en de  
oppervlaktekwaliteit van modulaire tegels

Agglomerated Stone - Test methods - Part 16: Determination  
of dimensions, geometric characteristics and surface quality  
of modular tiles

ICS 91.100.15

april 2005

Als Nederlandse norm is aanvaard:  
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VOORBEELD  
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English version

Agglomerated stone - Test methods - Part 16: Determination of dimensions, geometric characteristics and surface quality of modular tiles

Pierre agglomérée - Méthodes d'essai - Partie 16: Détermination des dimensions, des caractéristiques géométriques et de la qualité de surface des tuiles modulaires

Künstlich hergestellter Stein - Prüfverfahren - Teil 16: Bestimmung der Maße, der geometrischen Merkmale und der Oberflächenqualität von Fliesen

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Orbweel  
Preview

## Foreword

This document (EN 14617-16:2005) has been prepared by Technical Committee CEN/TC 246 "Natural stones", the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by September 2005, and conflicting national standards shall be withdrawn at the latest by September 2005.

Test methods for agglomerated stones consist of the following:

EN 14617-1, *Agglomerated stone - Test methods – Part 1: Determination of apparent density and water absorption*

EN 14617-2, *Agglomerated stone – Test methods – Part 2: Determination of flexural strength (bending)*

prEN 14617-3, *Agglomerated stone – Test methods – Part 3: Determination of slipperiness*

EN 14617-4, *Agglomerated stone - Test methods – Part 4: Determination of the abrasion resistance*

EN 14617-5, *Agglomerated stone – Test methods – Part 5: Determination of freeze and thaw resistance*

EN 14617-6, *Agglomerated stone - Test methods – Part 6: Determination of thermal shock*

prEN 14617-7, *Agglomerated stone – Test methods – Part 7: Determination of ageing*

prEN 14617-8, *Agglomerated stone – Test methods – Part 8: Determination of resistance to fixing (dowel hole)*

EN 14617-9, *Agglomerated stone - Test methods – Part 9: Determination of impact resistance*

EN 14617-10, *Agglomerated stone – Test methods – Part 10: Determination of chemical resistance*

EN 14617-11, *Agglomerated stone – Test methods – Part 11: Determination of linear thermal expansion coefficient*

EN 14617-12, *Agglomerated stone – Test methods – Part 12: Determination of dimensional stability*

EN 14617-13, *Agglomerated stone – Test methods – Part 13: Determination of electrical resistivity*

prEN 14617-14, *Agglomerated stone – Test methods – Part 14: Determination of surface hardness*

EN 14617-15, *Agglomerated stone – Test methods – Part 15: Determination of compressive strength*

EN 14617-16, *Agglomerated stone – Test methods – Part 16: Determination of dimensions, geometric characteristics and surface quality of modular tiles*

prEN 14617-17, *Agglomerated stone – Test methods – Part 17: Determination of biological resistance*

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## 1 Scope

This document specifies methods for determining the dimensional characteristics (length, width, thickness, straightness of sides, rectangularity, surface flatness) and the surface quality of agglomerated stones modular tiles.

## 2 Term and definition

For the purposes of this document, the following term and definition applies.

### 2.1

#### **modular tile**

piece of an agglomerated stone in standard sizes, generally of thickness 12 mm.

## 3 Measurement of length and width

### 3.1 Apparatus

Vernier callipers, or other suitable apparatus for linear measurement.

### 3.2 Test specimens

Ten whole tiles shall be submitted to measurements.

### 3.3 Procedure

Measure, to the nearest 0,1 mm, each side of the tile under test, at positions 5 mm from the corners.

### 3.4 Expression of results

The average dimension of square tiles is the average of four measurements. The average dimension of the sample is the average of 40 measurements.

For oblong tiles, each similar pair of sides of a tile provides the appropriate average dimension of the tile, i.e. an average of two measurements. The average dimensions for length and width of the sample are the average of 20 measurements each.

### 3.5 Test report

The test report shall include the following information:

- a) reference to this document;
- b) name of the manufacturer and/or the supplier;
- c) description of the tiles;
- d) all individual measurements of length and width;
- e) average size of each test specimen for square tiles, and the average length and width for each oblong tile;
- f) average size of the 10 test specimens for square tiles, and the average length and width for oblong tiles;
- g) deviation, as a percentage, of the average size of each tile (two sides or four sides) from the work size;
- h) deviation, as a percentage, of the average size of each tile (two or four sides) from the average size of the 10 test specimens (20 sides or 40 sides).

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