

Ceramic tiles; extruded ceramic tiles with a water absorption of 6 % <kleiner> E <kleiner => 10 % (group Allb); part 1

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 187-1:2003 sisaldab Euroopa standardi EN 187-1:1991 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 06.06.2003 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Standard on kättesaadav Eesti standardiorganisatsioonist.

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This standard is ratified with the order of Estonian Centre for Standardisation dated 06.06.2003 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

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area, classifications, consistency, flatness, measurement, orders : sales documents, planks, specifications, surfaces, tiles, tolerances, tolerances (measurement), wall coatings, wall coverings, wall plates, wall tiles, water absorption, water absorption tests

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Supersedes EN 187-1:1985

Descriptors: Tiles, coating slabs, water absorption tests,
equipment specification, shape, dimensions,
dimensional tolerances, physical properties,
mechanical properties, chemical properties, marking

English version

Ceramic tiles -- Extruded ceramic tiles with a
water absorption of $6\% < E \leq 10\%$ (Group AIIb) Part 1.

Carreaux et dalles céramiques --
Carreaux et dalles céramiques étirés à
absorption d'eau $6\% < E \leq 10\%$ (Groupe
AIIb) Partie 1.

Keramische Fliesen und Platten --
Stranggepreßte keramische Fliesen und
Platten mit einer Wasseraufnahme von
 $6\% < E \leq 10\%$ (Gruppe AIIb) Teil 1.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Ref. No. EN 187-1:1991 E

Foreword

This European Standard was drawn up by the Technical Committee CEN/TC 67 'Ceramic tiles', the Secretariat of which is held by UNI.

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1 Scope and field of application

This European Standard specifies the sizes, dimensional tolerances, mechanical, physical and chemical requirements, surface quality requirements and marking of ceramic tiles.

It is applicable only to extruded ceramic tiles with a water absorption of $6\% < E < 10\%$ according to Group AIIb of EN 87, for interior and exterior use (see clause 7 ordering), mainly on floors and also on walls. The standard applies only to extruded ceramic tiles of first quality.

This standard is divided into two Parts. Part 1 applies to the majority of ceramic tiles in product Group AIIb. Part 2 applies to certain ceramic tiles in product Group AIIb which are produced in individual countries, e.g. terre cuite in France and Belgium, cotte in Italy and baldosin catalan in Spain.

2 References

- EN 87 'Ceramic floor and wall tiles — Definitions, classification, characteristics and marking'
- EN 98 'Ceramic tiles — Determination of dimensions and surface quality'
- EN 99 'Ceramic tiles — Determination of water absorption'
- EN 100 'Ceramic tiles — Determination of modulus of rupture'
- EN 101 'Ceramic tiles — Determination of scratch hardness of surface according to Mohs'
- EN 102 'Ceramic tiles — Determination of resistance to deep abrasion — Unglazed tiles'
- EN 103 'Ceramic tiles — Determination of linear thermal expansion'
- EN 104 'Ceramic tiles — Determination of resistance to thermal shock'

EN 105 'Ceramic tiles — Determination of crazing resistance — Glazed tiles'

EN 108 'Ceramic tiles — Determination of chemical resistance — Unglazed tiles'

EN 122 'Ceramic tiles — Determination of chemical resistance — Glazed tiles'

EN 154 'Ceramic tiles — Determination of resistance to surface abrasion — Glazed tiles'

EN 155 'Ceramic tiles — Determination of moisture expansion using boiling water — Unglazed tiles'

EN 163 'Ceramic tiles — Sampling and basis for acceptance'

EN 202 'Ceramic tiles — Determination of frost resistance'

3 Description

According to EN 87, two types of extruded ceramic tiles are distinguished: split tiles and quarry tiles.

Split tiles are produced as a double tile which is split in two after firing, hence the name 'split tile'. Split tiles are characterized by typical parallel ridges on their reverse.

Quarry tiles are shaped by cutting from a single column and are often subsequently die-pressed.

The surface of extruded ceramic tiles can be smooth, profiled, wavy, decorated or finished in some other way; it can be fully or partly glazed (GL) in glossy, matt or semi-matt finish, or unglazed (UGL).

4 Shapes and sizes

4.1 Split tiles (Spaltplatten)

For shapes and sizes see figure 1 and tables 1 and 2.

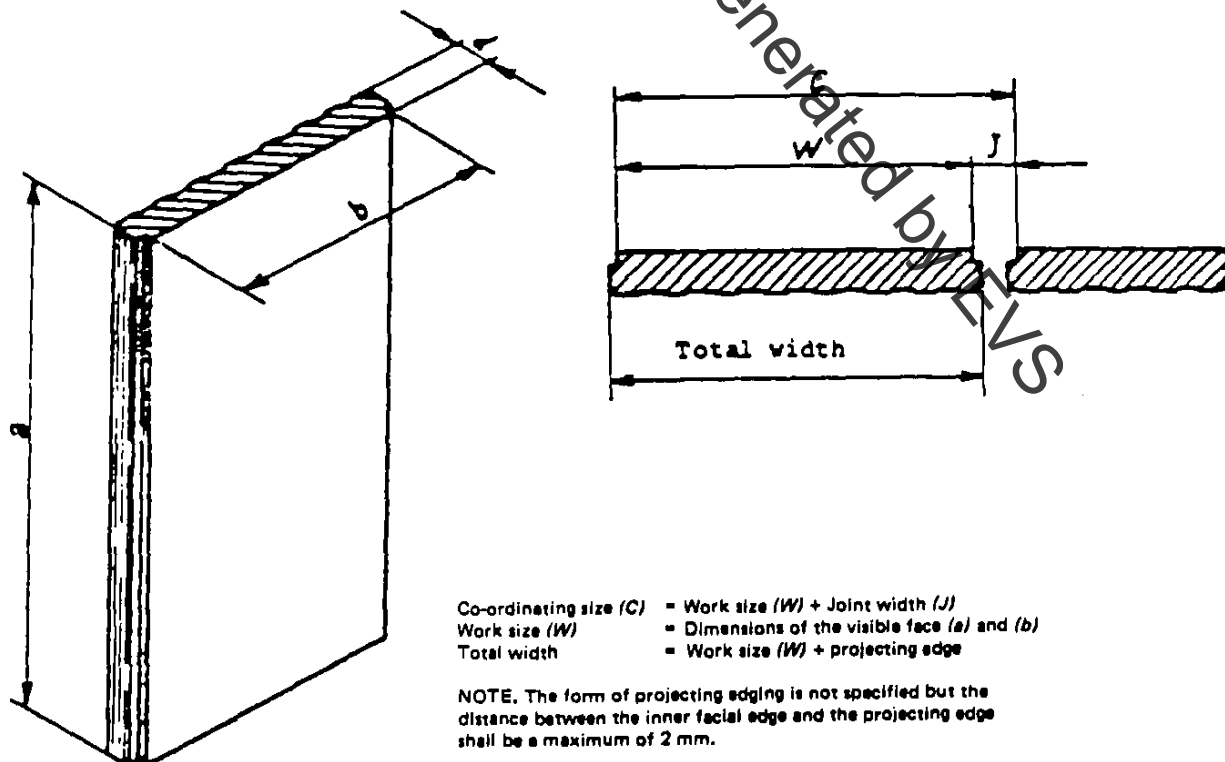


Figure 1. Split tile