

Ceramic tiles; extruded ceramic tiles with a water absorption of E $\geq$ 10 % (group AIII)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 188:2003 sisaldab Euroopa standardi EN 188:1991 ingliskeelset teksti.

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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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EUROPEAN STANDARD

EN 188:1991

NORME EUROPEENNE

EUROPAISCHE NORM

September 1991

UDC:691.433-413-033.6:666.75-184.2

Supersedes EN 188:1985

Descriptors: Tiles, coating slabs, ceramic coatings, water absorption tests, equipment specifications, shape, dimensions, dimensional tolerances, appearance, physical properties, mechanical properties, chemical properties, marking

English version

Ceramic tiles - Extruded ceramic tiles with a water absorption of $E > 10\%$ (Group AIII)

Carreaux et dalles céramiques -
Carreaux et dalles céramiques extrudés à
absorption d'eau $E > 10\%$ (Groupe AIII)

Keramische Fliesen und Platten -
Stranggepresste keramische Fliesen und
Platten mit einer Wasseraufnahme von
 $E > 10\%$ (Gruppe AIII)

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CEN

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

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Ref. No. EN 188:1991 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 $E > 10\%$ according to Group AIII of EN 87, for interior and exterior use on floors and walls. They are not generally intended for applications where conditions of frost can apply (see clause 7 ordering). This standard applies only to extruded ceramic tiles of first quality.

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 106 '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 tiles'. 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)

Shapes and sizes for tiles are given in figure 1 and tables 1 and 2.

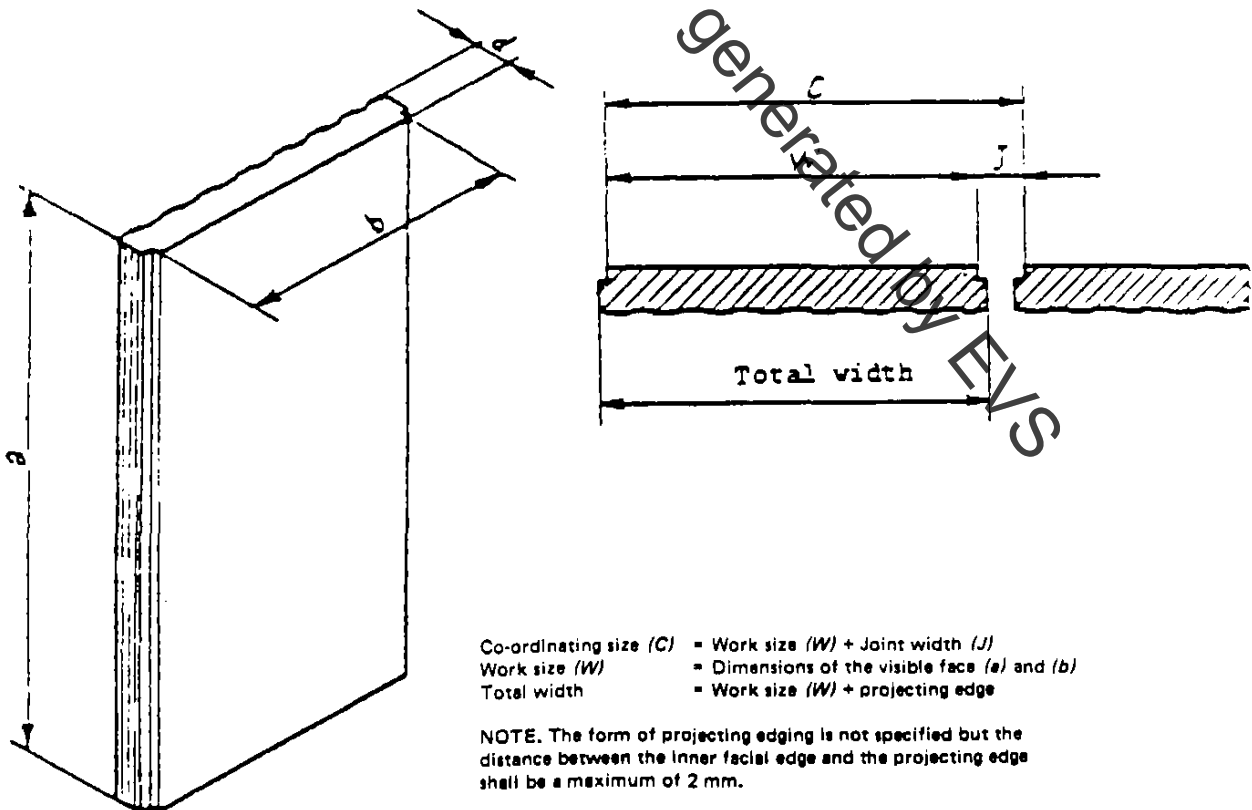


Figure 1. Split tile