

**Dust-pressed ceramic tiles with a water absorption of 6
% < E ≤ 10 %; group BIIb**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 178:2003 sisaldab Euroopa standardi EN 178:1991 ingliskeelset teksti.

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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 178:1991

NORME EUROPEENNE

EUROPAISCHE NORM

September 1991

UDC 691.43:413-033.64

Supersedes EN 178:1984

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

English version

Dust-pressed ceramic tiles with a water absorption of $6\% \leq E \leq 10\%$ (Group BIIb)

Carreaux et dalles céramiques pressés à sec, à absorption d'eau $6\% \leq E \leq 10\%$ (Groupe BIIb) Trockengepreßte keramische Fliesen und Platten mit einer Wasseraufnahme von $6\% \leq E \leq 10\%$ (Gruppe BIIb)

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CEN

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

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Ref. No. EN 178:1991 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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Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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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 dust-pressed ceramic tiles of first quality, including tiles premounted on sheets, with a water absorption of $6\% < E < 10\%$ according to Group BIIb of EN 87, for interior and exterior use (see clause 7 ordering) on both floors and walls.

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 183 'Ceramic tiles — Sampling and basis for acceptance'

EN 202 'Ceramic tiles — Determination of frost resistance'

3 Description

The definition of dust-pressed ceramic tiles is given in EN 87. Mosaic is a tile of any geometrical shape whose surface area is equal to or less than 90 cm^2 .

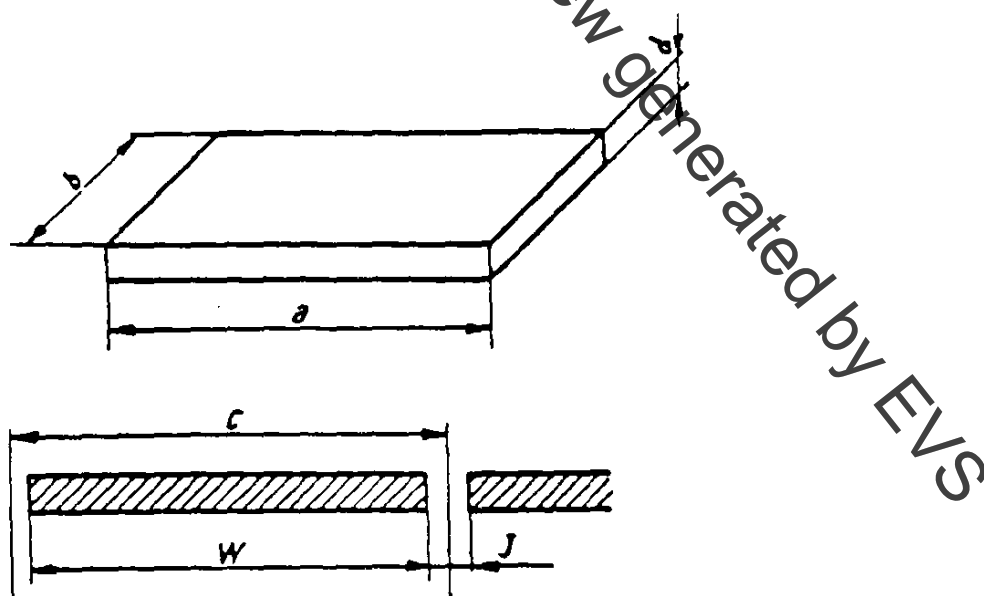
The surface of tiles and components belonging to this group can be smooth, profiled, wavy, decorated or finished in some other way. It can be unglazed (UGL), glossy, matt or semi-matt (GL).

Although tiles have visible surface and usually a surface which is intended to be adhered and bears a back panel, they may have identical surfaces without a panel or marking.

Tiles may have spacer lugs.

4 Shapes and sizes

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



Co-ordinating size (C) = Work size (W) + Joint width (J)
Work size (W) = Dimensions of the visible faces (a) and (b)

Figure 1. Tile