

Sanitary tapware — Waste fittings for sinks — General technical specifications

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British Standard

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National foreword

This British Standard has been prepared by Subcommittee B/505/11 and is the English language version of EN 411:1995 *Sanitary tapware — Waste fittings for sinks — General technical specifications*, published by the European Committee for Standardization (CEN).

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 16, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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English version

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Robinetterie sanitaire — Dispositifs de vidage
des éviers — Spécifications techniques
générales

Sanitärarmaturen — Ablaufgarnituren für
Spülen — Allgemeine technische
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Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard has been prepared by the Technical Committee CEN/TC 165, Water waste engineering, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by November 1995, and conflicting national standards shall be withdrawn at the latest by November 1995.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: 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

This standard specifies the dimensional characteristics, materials, along with performance and test methods for waste outlets and traps for sinks connected to gravity drainage systems, whatever the purpose of the building.

Quality control and quality assurance will be handled by the competent bodies.

NOTE All drawings are examples only, other forms are permissible.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 248:1989, *Sanitary taps — General technical specifications for electro-deposited nickel chrome coatings*.

prEN 695, *Kitchen sinks — Connecting dimensions*.

ISO 228-1:1982, *Pipe threads where pressure-tight joints are not made on the threads — Part 1: Designation, dimensions and tolerances*.

3 Definitions

For the purposes of this standard, the following definitions apply.

3.1

waste outlet

device fitted to the sanitary appliance whereby the water can be evacuated from the bowl (direct evacuation and possible evacuation through the overflow), which can be sealed by means of a flap or plug and is equipped with a fixed or a movable grille

3.2

overflow

outlet device, which allows the filling of a sanitary appliance to a certain level and the evacuation of excess water

3.3

trap

hydraulic sealing device between the entry waste outlet and the discharge pipe, which prevents the entry of foul air from the evacuation pipes into the inhabited areas, without obstructing the discharge of the liquids

4 Design

4.1 Waste outlets

Waste outlets may be manufactured in one piece or may comprise various pieces joined together mechanically.

Waste outlets shall be fitted with a grille and with or without a plug or flap (see Figure 1).

4.2 Traps

Traps are of the following types as shown in Figure 5:

- tubular trap (U, S or P);
- bottle trap with division;
- dip tube bottle traps.

Traps shall be cleanable.

5 Materials and manufacture

5.1 Recommended materials

The different parts of the waste outlets, traps and overflows may be made from the following materials.

For the bodies:

- copper or copper alloys;
- plastics materials;
- stainless steels;
- proofed cast iron;
- or other materials with adequate properties;
- or a combination of two or more of these materials.

For the grilles (waste outlet and overflow):

- corrosion-resistant metal materials, stainless steel or plastics materials;
- or other materials with adequate properties.

For the waste mechanisms:

- stainless steel;
- or corrosion-resistant metallic materials;
- or other materials with adequate properties.

For flaps and plugs:

- corrosion-resistant metallic materials;
- elastomers;
- or other materials with adequate properties.

For the joints:

- elastomers;
- or other materials with adequate properties.

5.2 Quality of visible surfaces

The visible surfaces shall comply with the requirements of EN 248, clauses 4, 5 and 6.