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**WASTE FITTINGS FOR SANITARY
APPLIANCES - PART 1: REQUIREMENTS**

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English version

Waste fittings for sanitary appliances - Part 1: Requirements

Dispositifs de vidage des appareils sanitaires - Partie 1:
Exigences

Ablaufgarnituren für Sanitärausstattungsgegenstände - Teil
1: Anforderungen

This European Standard was approved by CEN on 23 December 2001.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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Contents

	page
Foreword.....	3
1 Scope	3
2 Normative references	3
3 Terms and definitions.....	4
4 Requirements	4
4.1 General.....	4
4.2 Appearance of surfaces	4
4.3 Materials.....	4
4.4 Design	5
4.4.1 Waste outlets.....	5
4.4.2 Traps	5
4.5 Dimensions.....	6
4.6 Hydraulic requirements.....	15
4.7 Tightness	15
4.7.1 Tightness of waste outlet with plug or flap.....	15
4.7.2 Tightness of waste fitting.....	15
5 Marking	16
6 Quality control.....	16
Annex A (informative) A-Deviation	17
Bibliography	18

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 165, "Wastewater 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of an identical text or by endorsement, at the latest by July 2002, and conflicting national standards shall be withdrawn at the latest by July 2002.

Together with Parts 2 and 3 of this standard, this European Standard supersedes EN 274:1992, EN 329:1994 and EN 411:1995.

The other parts of the European Standard contain the necessary statements on testing and quality control of waste fittings for sanitary appliances.

Annex A is informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies the dimensional, performance, materials and marking requirements for waste outlets, traps and overflows for kitchen sinks, shower trays, wash basins, bidets and baths which are connected to gravity drainage systems, whatever the purpose of the building.

This standard does not specify requirements for waste outlets, traps and overflows which are integral with sanitary appliances.

NOTE All figures in this standard are diagrammatic only.

This standard does not cover the possible effect of aggressive drain cleaning materials on products.

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 (including amendments).

EN 248, *Sanitary tapware - General specification for electrodeposited coatings of NiCr.*

EN 274-2:2002, *Waste fittings for sanitary appliances - Part 2: Test methods.*

EN 274-3, *Waste fittings for sanitary appliances - Part 3: Quality control.*

EN 476:1997, *General requirements for components used in discharge pipes, drains and sewers for gravity systems.*

EN 12056-1, *Gravity drainage systems inside buildings - Part 1: General and performance requirements.*

EN 274-1:2002 (E)

EN 12056-2, *Gravity drainage systems inside buildings - Part 2: Sanitary pipework, layout and calculation.*

ISO 228-1, *Pipe threads where pressure-tight joints are not made on the threads - Part 1: Dimensions, tolerances and designation.*

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

3.1

waste outlet

fitting through which the water is evacuated from the sanitary appliance, which can be sealed by means of a flap or plug and can be equipped with a fixed or a removable grille

3.2

overflow

fitting which allows the evacuation of excess water when a sanitary appliance is filled above a certain level

3.3

trap

fitting which provides a hydraulic seal between the waste outlet and the discharge pipe in order to prevent the entry of foul air from the discharge pipe into the building, without obstructing the discharge of the wastewater

4 Requirements

4.1 General

Waste outlets, traps and overflows enable the functioning of sanitary appliances. They shall be capable of being connected to drainage pipework systems in accordance with EN 12056-1 and EN 12056-2.

4.2 Appearance of surfaces

When viewed without magnification, the internal and external surfaces of the waste fittings shall be smooth, free from grooving, blistering or any other surface defects likely to impair their functioning.

The appearance of visible electrodeposited NiCr coatings shall comply with EN 248.

4.3 Materials

Waste outlets and traps shall be manufactured from materials which withstand intermittent contact with domestic waste water with a temperature range from $(20 \pm 5) ^\circ\text{C}$ to $95_{-2}^0 ^\circ\text{C}$ when tested in accordance with clause 3 of EN 274-2:2002. Waste outlets and traps made of only metallic materials are deemed to satisfy this requirement.

The materials used shall be such that the finished products meet the requirements of this standard. It is the responsibility of the manufacturer of the waste fittings to employ materials which are fit for this purpose. This requirement does not cover the use of aggressive drain cleaning materials. The use of such materials is beyond the scope of this standard.

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