This is a preview of "BS EN 13407:2015". Click here to purchase the full version from the ANSI store.

BS EN 13407:2015



BSI Standards Publication

Wall-hung urinals — Functional requirements and test methods

bsi.

...making excellence a habit.™

This is a preview of "BS EN 13407:2015". Click here to purchase the full version from the ANSI store.

This British Standard is the UK implementation of EN 13407:2015. It supersedes BS EN 13407:2006 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/503, Sanitary appliances.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2015. Published by BSI Standards Limited 2015

ISBN 978 0 580 87730 8

ICS 91.140.70

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2015.

Amendments issued since publication

Date	Text affected

EUROPEAN STANDARD **EN 13407**

This is a preview of "BS EN 13407:2015". Click here to purchase the full version from the ANSI store.

EUROPÄISCHE NORM

July 2015

ICS 91.140.70

Supersedes EN 13407:2006

English Version

Wall-hung urinals - Functional requirements and test methods

Urinoirs muraux - Prescriptions fonctionnelles et méthodes d'essai

Wandhängende Urinale - Funktionsanforderungen und Prüfverfahren

This European Standard was approved by CEN on 5 June 2015.

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 CEN-CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

© 2015 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 13407:2015 E

This is a preview of "BS EN 13407:2015". Click here to purchase the full version from the ANSI store.

Contents

Page

European foreword **3**

1 Scope **4**

2 Normative references **4**

3 Terms and definitions **4**

4 Principles of design **6**
4.1 General **6**
4.2 Flushing volume and flow rate **6**

5 Classification **6**

6 Functional requirements and test methods for class 1 products **7**
6.1 Depth of water seal **7**
6.2 Flushing requirements **7**
6.3 Water absorption **8**
6.4 Load resistance **8**
6.5 Durability of class 1 products **8**
6.6 Test methods **8**

7 Functional requirements and test methods for class 2 products **11**
7.1 Depth of water seal **11**
7.2 Cleanability **12**
7.3 Load resistance **12**
7.4 Durability of class 2 products **12**
7.5 Test methods **12**

8 Dangerous substances **12**

9 Marking **12**

10 Assessment and verification of constancy of performance – AVCP **14**
10.1 General **14**
10.2 Type testing **15**
10.3 Factory production control (FPC) **16**

Annex A (normative) **Test rig for urinals intended to be flushed by a flush valve** **18**

Annex B (normative) **Test rig for urinals intended to be flushed by a manually operated flushing cistern** **20**

Annex C (normative) **Test rig for urinals intended to be flushed by an automatic flushing cistern with valve-less outlet device** **24**

Annex ZA (informative) **Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation** **26**

Bibliography **34**

This is a preview of "BS EN 13407:2015". Click here to purchase the full version from the ANSI store.

European foreword

This document (EN 13407:2015) has been prepared by Technical Committee CEN/TC 163 “Sanitary appliances”, the secretariat of which is held by UNI.

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 January 2016 and conflicting national standards shall be withdrawn at the latest by April 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13407:2006.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of the EU Construction Products Regulation.

For relationship with EU Construction Products Regulation, see informative Annex ZA, which is an integral part of this document.

Since the latest version of EN 13407, the most significant technical changes are the following:

a) the introduction of term “product type”;

b) the introduction of the clause “Dangerous substances”;

c) the modification of the marking of products;

d) the replacement of clause “Evaluation of conformity” by “Assessment and verification of constancy of performance – AVCP” and replacement of Annex ZA by a new one in accordance with provisions of Regulation 305/2011.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

This is a preview of "BS EN 13407:2015". Click here to purchase the full version from the ANSI store.

1 Scope

This European Standard specifies constructional and performance requirements together with test methods for wall-hung urinals made of vitreous china or stainless steel that are used for personal hygiene.

This European Standard does not apply to slab and stall urinals nor to waterless urinals.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 80, *Wall-hung urinals — Connecting dimensions*

EN 274-1, *Waste fittings for sanitary appliances — Part 1: Requirements*

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

3 Terms and definitions

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

3.1
wall-hung urinal
sanitary appliance comprising a bowl to be fixed to a wall, for receiving urine and water used for flushing and directing both into a drainage system

Note 1 to entry: See Figure 1:

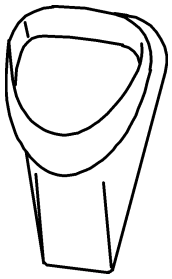


Figure 1 — Wall-hung urinal

3.2
slab urinal
sanitary appliance comprising a floor channel and a slab or sheet fixed to a wall, for receiving urine and water used for flushing and directing both into a drainage system

Note 1 to entry: See Figure 2:

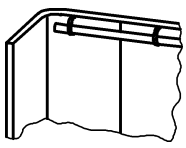


Figure 2 — Slab urinal