



SLOVENSKI STANDARD
SIST EN 14296:2015

01-oktober-2015

Nadomešča:
SIST EN 14296:2005

Sanitarna oprema - Skupinska umivalna korita

Sanitary appliances - Communal washing troughs

Sanitärausstattungsgegenstände - Reihenwaschanlagen

Appareils sanitaires - Lavabos collectifs

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ICS:

91.140.70 Sanitarne naprave Sanitary installations

SIST EN 14296:2015

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EUROPEAN STANDARD

EN 14296

NORME EUROPÉENNE

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Sanitary appliances - Communal washing troughs

Appareils sanitaires - Lavabos collectifs

Sanitärausstattungsgegenstände - Reihenwaschanlagen

This European Standard was approved by CEN on 28 May 2015.

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

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European foreword

This document (EN 14296:2015) has been prepared by Technical Committee CEN/TC 163 "Sanitary appliances", the secretariat of which is held by UNI.

This document supersedes EN 14296:2005.

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of an identical text or by endorsement, at the latest by January 2016, and conflicting national standards shall be withdrawn at the latest by April 2017.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 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 edition of EN 14296, the most significant technical changes are the following:

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- a) introduction of the term "product type";
 - b) introduction of the clause "Dangerous substances";
 - c) modification of the marking of products, [SIST EN 14296:2015
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 - d) replacement of the 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 organisations 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.

EN 14296:2015 (E)

1 Scope

This European Standard specifies requirements for the cleanability, load resistance and durability of communal washing troughs used for domestic purposes.

NOTE For the purposes of this document, the term “domestic purposes” includes use in factory changing-rooms, sportsclubs, accommodation for students, hospitals and similar buildings, except when special medical provisions are required.

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 695, *Kitchen sinks - Connecting dimensions*

3 Terms and definitions

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

3.1

communal washing trough

single bowl sanitary appliance at which more than one person can wash at the same time, which is designed to be installed with (a) permanently open waste fitting(s) capable of accepting the flow from more than one tap and which can be installed standing alone (free standing (pedestal)) or wall mounted

3.2

cleanability

characteristics which allow surfaces intended to come into contact with water to be visibly smooth, non-absorbent and free from unacceptable internal corners, such that they can be kept visibly free from dirt and/or stains when subject to a regular maintenance routine, which may include, when appropriate, the specific instructions for use and care as specified by the manufacturer

3.3

product type

construction product with a set of representative performance levels or classes in relation to its Essential Characteristics, produced using a given combination of raw materials or other elements in a specific production process

4 Requirements

4.1 General

The manufacturer shall supply instructions on installation, use and care.

The waste outlet hole shall comply with the dimensions as specified in EN 695, unless the manufacturer provides the waste fitting with the washing trough.

4.2 Cleanability

When tested as described in 5.1, communal washing troughs shall have smooth and readily cleansed non-absorbent functional surfaces which are free from acute internal corners, i.e. surfaces intended to or likely to come into contact with water during use.

Experience has shown that communal washing troughs manufactured from plastics, enamelled steel/cast iron, stainless steel, glazed ceramics, glass and anodized aluminium, designed and constructed without acute internal corners, satisfy these requirements.

4.3 Load resistance

Communal washing troughs shall not crack, collapse or show permanent distortion which prevents water from draining through the waste hole when tested as specified in 5.2.2 and 5.2.4.

Communal washing troughs shall not crack, or collapse when tested as specified in 5.2.3.

4.4 Durability

Communal washing troughs shall be manufactured from materials that will satisfy the requirements of 4.2 and 4.3.

5 Test methods

5.1 Cleanability

Visually examine the functional surface of the communal washing trough using a suitable light source. Record the material of construction and any failure to comply with the requirements of 4.2.

Imperfections that do not affect the functionality of the surface shall not constitute a failure.

5.2 Determination of load resistance

5.2.1 General

Install the communal washing trough to be tested according to the manufacturer's installation instructions.

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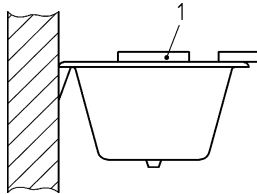
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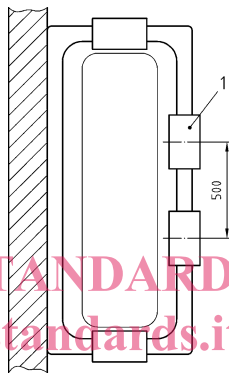
5.2.2 Load evenly distributed on the rim

Apply an evenly distributed load of $25^{+0,5}_0$ kg every 50 cm on the rim, as shown in Figures 1 a), 1 b), 1 c) and 1 d). Reinforced cloth bags filled with lead shot, iron shot or sand shall be used. The load shall remain in position for a minimum period of 1 h.



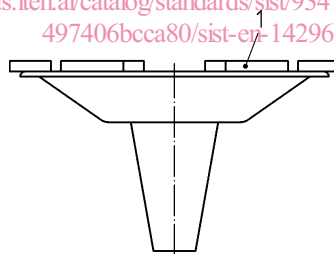
a) Wall mounted trough, viewed from the side

Dimensions in millimetres

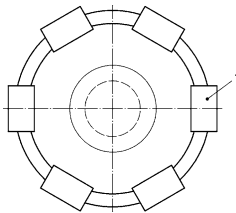


b) Wall mounted trough, viewed from above

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c) Free standing trough, viewed from the side



d) Free standing trough, viewed from above

Key

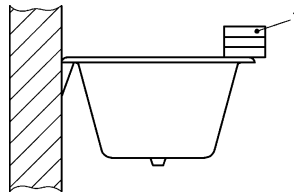
1 one bag of $25^{+0,5}_0$ kg or two bags of $12,5^{+0,25}_0$ kg

Figure 1 — Installation for load test - Test on the rim

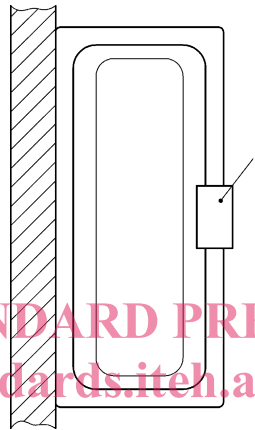
Note any crack, collapse or permanent distortion preventing water from draining trough the waste hole.

5.2.3 Localized load on the rim

Apply a load of $75^{+1,5}_0$ kg in the middle of the rim, as shown in Figures 2 a), 2 b), 2 c) and 2 d). Reinforced cloth bags filled with lead shot, iron shot or sand shall be used. The load shall remain in position for a minimum period of 1 h.

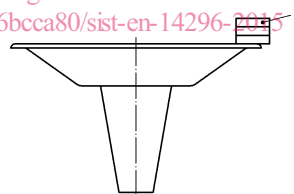


a) Wall mounted trough, viewed from the side

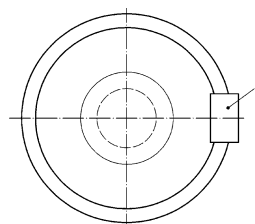


b) Wall mounted trough, viewed from above

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c) Free standing trough, viewed from the side



d) Free standing trough, viewed from above

Key

1 three bags of $25^{+0,5}_0$ kg or six bags of $12,5^{+0,25}_0$ kg

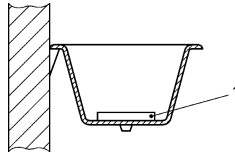
Figure 2 — Installation for load test - Test on the rim

Note any crack, or collapse of the trough.

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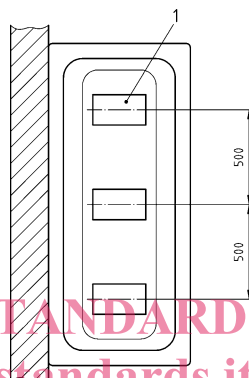
5.2.4 Test on the bottom

Apply an evenly distributed load of $25^{+0,5}_0$ kg every 50 cm on the bottom, as shown in Figures 3 a), b), c) and d) with a minimum total loading of 75 kg. Reinforced cloth bags filled with lead shot, iron shot or sand shall be used. The load shall remain in position for a minimum period of 1 h.



a) Wall mounted trough, viewed from the side

Dimensions in millimetres

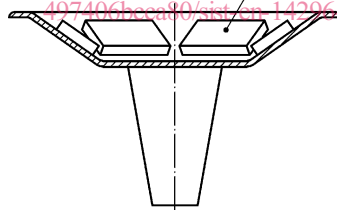


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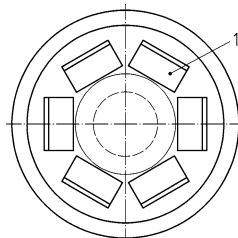
b) Wall mounted trough - Viewed from above

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c) Free standing trough, viewed from the side



d) Free standing trough, viewed from above

Key

1 one bag of $25^{+0,5}_0$ kg or two bags of $12,5^{+0,25}_0$ kg

Figure 3 — Installation for load test - Test on the bottom

Note any crack, collapse or permanent distortion of the trough preventing water from draining through the waste hole.

6 Dangerous substances

National regulations on dangerous substances may require verification and declaration on release, and sometimes content, when construction products covered by this standard are placed on those markets.

In the absence of European harmonized test methods, verification and declaration on release/content should be done taking into account national provisions in the place of use.

NOTE An informative database covering European and national provisions on dangerous substances is available at the Construction website on EUROPA.

7 Marking

The intended use of communal washing troughs is personal hygiene in accordance with the scope of this standard.

NOTE The intended use is also mentioned in Annex ZA, Table ZA.1. The abbreviation "PH" for the intended use personal hygiene might be used for CE marking.

A schematic drawing of the product may optionally follow the abbreviation for personal hygiene.

EXAMPLE 1 Use of full text: Personal hygiene.

EXAMPLE 2 Use of abbreviation: PH.

For communal washing troughs a set of requirements to be tested (see 8.2.2) is defined. Due to this, a communal washing trough can be described with a designation code which includes all fulfilled essential requirements.

The relevant product characteristics and the Essential Characteristics for communal washing troughs including their abbreviations are given in Table 1.

Table 1 — Characteristics and abbreviations

Abbreviation	Characteristics
EN 14296	Number of European Standard for communal washing troughs for product description
CA	Cleanability
LR	Load resistance
DA	Durability

All communal washing troughs shall be designated in accordance with the following system: