Gullies for buildings - Part 2: Test methods

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1253-2:2001 sisaldab Euroopa standardi EN 1253-2:1998 ingliskeelset teksti.	This Estonian standard EVS-EN 1253-2:2001 consists of the English text of the European standard EN 1253-2:1998.
Standard on kinnitatud Eesti Standardikeskuse 19.10.2001 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 19.10.2001 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 91.140.80

buildings, classifications, flow rate, gullies, leak tests, performance tests, sanitation, syphons, tests, thermal cycling test, thermal tests, water removal

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English version

Gullies for buildings - Part 2: Test methods

Avaloirs et siphons pour bâtiments - Partie 2: Méthodes d'essais

Abläufe für Gebäude - Teil 2: Prüfverfahren

This European Standard was approved by CEN on 3 May 1998.

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

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 165 "Waste water 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of an identical text or by endorsement, at the latest by March 1999, and conflicting national standards shall be withdrawn at the latest by March 1999.

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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies test methods for gullies for buildings according to prEN 1253-1 : 1997 and access covers in accordance with prEN 1253-4.

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.

prEN 1253-1 : 1997
Gullies for buildings – Part 1: Requirements

prEN 1253-4
Gullies for buildings – Part 4: Access covers

3 Definitions

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

3.1 clear opening: Diameter of the largest circle that can be inscribed in the clear area of the frame.

3.2 test load: Specified load which a component is required to withstand when tested in accordance with clause 4.

4 Loading test

4.1 Test loads and permanent set

The values given in table 1 shall be applied.

No crack or fracture shall occur before the test load has been attained.

In addition, in the case of gullies with a grating or a cover made of ductile cast iron, steel, non-ferrous metals, plastics or these materials in combination with concrete, the permanent set shall not exceed the values given in table 1.

Table 1: Test loads and permanent set

Class	Test load P kN	Permanent set f at 2/3 P
H 1,5 K 3 L 15 M 125	1,5 3 15 125	2/500 (0,4 % of the clear opening (CO) but not more than 2,0 m)

For gratings in accordance with 5.2 of prEN 1253-1 : 1997, a test load P of 0,25 kN shall be applied and the permanent set f at 2/3 of the test load shall not exceed 2,0 mm.

4.2 Testing machine

The testing machine, preferably a hydraulic press, shall be capable of applying a load of at least 25 % greater than the test loads.

The dimensions of the bed of the testing machine shall be greater than the bearing area of the unit to be tested.

The testing machine shall be capable of applying and maintaining the test load within a tolerance of ± 3 %.