

Gullies for buildings - Part 2: Roof drains and floor gullies without trap

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Gullies for buildings - Part 2: Roof drains and floor gullies without trap

Avaloirs et siphons pour bâtiments - Partie 2 : Avaloirs de toiture et avaloirs/siphons de sol sans garde d'eau

Abläufe für Gebäude - Teil 2: Dachabläufe und Bodenabläufe ohne Geruchverschluss

This European Standard was approved by CEN on 22 November 2014.

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Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Requirements	9
4.1 Design and construction	9
4.2 Places of installation	10
4.3 Materials	11
4.4 Watertightness	11
4.5 Mechanical strength	11
4.6 Flow rates	11
4.7 Additional requirements in relation to the installation	13
5 Test methods.....	15
5.1 Dimensions of apertures in gratings	15
5.2 Water tightness for roof drain and floor gully bodies and extensions	15
5.3 Loading test.....	15
5.4 Mechanical strength	19
5.5 Flow rates	20
5.6 Tightness of roof drains and floor gullies for use with sheet floor coverings, membranes or liquid applied membranes	30
5.7 Behaviour when exposed to hot bitumen or asphalt	31
5.8 Determination of resistance in climatic influences	31
5.9 Temperature cycling test	32
6 Allocation and sequence of tests.....	32
7 Marking	32
8 Evaluation of conformity.....	33
Annex A (normative) Sequence of the tests.....	34
Annex B (informative) A-deviation.....	35
Bibliography	36

Foreword

This document (EN 1253-2:2015) 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of an identical text or by endorsement, at the latest by July 2015 and conflicting national standards shall be withdrawn at the latest by July 2015.

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, together with EN 1253-1:2015, supersedes EN 1253-1:2003 and EN 1253-2:2003.

This is the second part in EN 1253, a series of standards relating to floor gullies, roof drains and access covers for drainage systems inside buildings. The EN 1253 series under the main title *Gullies for buildings* will actually consist of the following parts:

- *Part 1: Trapped floor gullies with a depth of water seal of at least 50 mm;*
- *Part 2: Roof drains and floor gullies without trap;*
- *Part 3: Evaluation of conformity;*
- *Part 4: Access covers;*
- *Part 5: Gullies with light liquids closure.*

Since the latest versions of EN 1253-1 and EN 1253-2 the most significant technical changes are the following:

- a) reduction of scope on roof outlets and floor gullies without trap including parapet and emergency drains for use in gravity and siphonic drainage systems;
- b) more definitive description of products;
- c) modification of terms and definitions;
- d) precision in definition of places of installation;
- e) consideration of liquid applied membranes as connecting components;
- f) precision of test conditions for flow rate testing for different types of products;
- g) revision of loading test concerning test loads, loading speed as well as shape, size and point of impact of test blocks in dependence on different configuration of gratings;
- h) introduction of classification of products concerning their temperature cycling behavior according to number of hot/cold water cycles.

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.

1 Scope

This European Standard classifies roof drains and floor gullies without trap for use inside buildings, gives guidance for places of installation and specifies requirements for the construction, design, performance and marking as well as test methods of factory made roof drains and floor gullies without trap (further: floor gullies) for buildings, irrespective of the material for use in drainage systems.

Although normally used to convey rainwater and wastewater, these roof drains and floor gullies without trap may convey other wastewater provided there is no risk of damage to components or of injury to health.

This European Standard does not apply to trapped floor gullies with a depth of water seal of at least 50 mm as specified in EN 1253-1.

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 124, *Gully tops and manhole tops for vehicular and pedestrian areas — Design requirements, type testing, marking, quality control*

EN 476, *General requirements for components used in drains and sewers*

EN 1253-3, *Gullies for buildings — Part 3: Evaluation of conformity*

3 Terms and definitions

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

3.1
roof drain
non-trapped discharge fitting for the drainage of surface water from roof, balcony and terrace surfaces via a rainwater connecting pipe

Note 1 to entry: See Figure 1.

Note 2 to entry: A roof drain can include an anti-vortex device.

3.2
parapet drain
roof drain for the drainage of flat roofs and roof terraces with a fascia which penetrates the fascia

Note 1 to entry: See Figure 2.

3.3
emergency drain
roof drain for emergency drainage in the form of a roof, parapet or gutter outlet with or without a rainwater connection pipe