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Gullies for buildings - Part 3: Evaluation of conformity

Abläufe für Gebäude - Teil 3: Bewertung der Konformität

Avaloirs et siphons pour bâtiments - Partie 3 : Évaluation de la conformité

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Gullies for buildings - Part 3: Evaluation of conformity

Avaloirs et siphons pour bâtiments - Partie 3 : Évaluation de
la conformité

Abläufe für Gebäude - Teil 3: Bewertung der Konformität

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 165.

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

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

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Foreword

This document (FprEN 1253-3:2015) has been prepared by Technical Committee CEN/TC 165 "Waste water engineering", the secretariat of which is held by DIN.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 1253-3:1999.

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

- *Part 1: Trapped floor gullies with a depth 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 edition of EN 1253-3 the most significant technical changes are the following:

- a) introduction of the new standards on trapped floor gullies with a depth of water seal of at least 50 mm (EN 1253-1) and roof drains and floor gullies without trap (EN 1253-2);
- b) amendment of items to be inspected as well as modification of frequency of control for specific requirements.

FprEN 1253-3:2015 (E)**1 Scope**

This draft European Standard specifies the requirements for evaluation of conformity for floor gullies, roof drains and access covers for buildings to ensure conformity of these products with EN 1253-1, EN 1253-2 and FprEN 1253-4.

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 1253-1:2015, *Gullies for buildings — Part 1: Trapped floor gullies with a depth water seal of at least 50 mm*

EN 1253-2:2015, *Gullies for buildings — Part 2: Roof drains and floor gullies without trap*

FprEN 1253-4:2015, *Gullies for buildings — Part 4: Access covers*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1253-1, EN 1253-2 and FprEN 1253-4 apply.

4 Evaluation of conformity**4.1 General**

Products manufactured in accordance with EN 1253-1, EN 1253-2 and FprEN 1253-4 will be subjected to the evaluation of conformity procedure as follows:

- a) type testing;
- b) factory production control.

The control by a third party is recommended. If third party control is carried out, this should be done in accordance with Annex A.

The actual practice of third party control in the different countries may be maintained as long as the third party control in this standard retains its recommended character.

4.2 Type testing

Complete drawings of the products shall be available. Three production specimens shall be tested in accordance with EN 1253-1, EN 1253-2 and FprEN 1253-4 and shall comply with all the relevant requirements of EN 1253-1, EN 1253-2 and FprEN 1253-4.

This procedure also applies if the design is subsequently amended structurally or if the material is changed. All subsequent amendments, whether structural or not, shall have the approval of the certification body, if required.

4.3 Factory production control

The purpose of the factory production control is to constantly ensure that current production of floor gullies, roof drains and access covers is in conformity with the technical requirements of EN 1253-1, EN 1253-2, and FprEN 1253-4.

Suitable staff and independence of quality control of production are indispensable prerequisites.

The facilities necessary for factory production control include the measuring and test equipment for the tests in accordance with EN 1253-1, EN 1253-2 and FprEN 1253-4.

The factory production control shall at least cover the specific items listed in Tables 1, 2 and 3.

The documentation shall include all steps of production from the incoming raw materials to the final product leaving the factory.

The factory production control may be organized in accordance with EN ISO 9001. The manufacturer shall have at his disposal:

- an organization scheme with defined responsibilities;
- skilled personnel;
- all the necessary production facilities;
- all the necessary testing facilities.

Furthermore, the manufacturer shall establish and maintain a quality plan in which process and final inspections are listed. Apart from the inspection aspect, the quality plan shall also contain the method and frequency of inspection and the documentation. Tables 1, 2 and 3 give a model scheme of factory production control and list a minimum of specific items to be covered. Finally, the manufacturer shall establish and maintain written procedures for:

- document control;
- control of non-conforming products, their storage, handling and marking;
- dealing with complaints from customers;
- calibration and control of measuring and testing equipment.

FprEN 1253-3:2015 (E)

Table 1 — Factory production control for trapped floor gullies with a depth water seal of at least 50 mm in accordance with EN 1253–1:2015

Items to be inspected	Requirements	Test methods	Frequency of control
Appearance	4.1.2	Visual inspection	- At start of production - Each production batch ^a
Dimensions	4.1.1	Measurement	- At start of production - Each production batch ^a
	4.1.5	5.3.1	At start of production
	4.1.3	Measurement	At start of production
	4.2.1	5.4.1	At start of production
Materials	4.4	Manufacturer's certification of compliance	Each consignment
Skirt membrane affixed to the gully	4.7.3.4	5.7.3	- At start of production - Random sampling in series production
Marking	Clause 7	Visual inspection	Random sampling in series production
Classification by loading strength	4.7.1	5.6	Each production batch ^a
^a The size of a production batch and the number of specimens to be taken from the batch depend on the type of products, the material and the manufacturing process.			

Table 2 — Factory production control for roof drains and floor gullies without trap in accordance with EN 1253–2:2015

Items to be inspected	Requirements	Test methods	Frequency of control
Appearance	4.1.2	Visual inspection	- At start of production - Each production batch ^a
Dimensions	4.4.1	Measurement	- At start of production - Each production batch ^a
	4.1.3	Measurement	At start of production
Materials	4.3	Manufacturer's certification of compliance	Each consignment
Skirt membrane affixed to the gully	4.7.1	5.4.2	- At start of production - Random sampling in series production
Marking	Clause 7	Visual inspection	Random sampling in series production
Classification by loading strength	4.5.1	5.3	Each production batch ^a
^a The size of a production batch and the number of specimens to be taken from the batch depend on the type of products, the material and the manufacturing process.			