

Certified per DIN EN ISO 9001 and DIN EN ISO 14001

General Building Inspection Testing Certificate

Testing Certificate #:	P-4023 LGA
Item (Building product)	D4 and D5 urinal basin WATERLESS without water flush made of sanitary porcelain / polyethylene / ABS
Contract issuer (contract acceptor)	Falcon Waterfree Europe GmbH Dofourstr. 31 CH-8008 Zurich
Issue date	7/2/2001
Term of validity	Until 5/31/2006

Evaluation of urinal basins D4 and D5 is based on Testing Report No. 0120192-01 of the Wuerzburg branch of LGA, among other things.

Based on this general Building Inspection Testing Certificate, the above-named object (construction product) may be used in accordance with federal construction regulations.

This general Testing Certificate consists of six pages and 16 enclosures.

1. Subject and Scope of Application

1.1 Description of the object:

Urinal basin Model D4 (open odor seal) and D5 (concealed odor seal) without water flush, made of sanitary porcelain, with adapter housing with drain fittings DN 50 made of polypropylene to receive the connectible odor seal insert TW-H4T made of ABS.

Function of the odor seal is achieved by the use of a sealing water height of 59 mm and the use of 60 ml of ALL SEAL sealing fluid.

1.2 Scope of Application

The urinal basins are used in sanitary facilities within buildings per DIN EN 12056-1 and -2 in connection with DIN 1986-100 (currently in draft). They function without water flush, whereby regular cleaning and servicing must be scheduled and performed in accordance with manufacturer specifications.

The ceramic drain fittings NW 50 per DIN 1390-1 are suited for connection to sewage lines with the use of Urinal Connector Adapter DN 1380-B50 or special tested adapters.

The odor seal insert is optionally available with one of the following seals at the upper outer rim:

- a) DESIGN A: Solid gasket, transparent, Shore hardness 25 ± 5
- b) DESIGN B: Lip gasket, transparent, Shore hardness 25 ± 5
- c) DESIGN C: Lip gasket, ALC KEM, Shore hardness 45 ± 5

Other gaskets, or gaskets with other characteristics, may not be used.

2 Requirements of the Construction Product

2.1 Requirements of characteristics and nominal values

- a) Dimensions of drain fittings per DIN 1390-1, nominal width 50; functional dimensions per manufacturer information
- b) Materials resistant to sewage and aging per DIN 19541
- c) Odor seal with respect to sewage line, so that sewer gases cannot enter the room
- d) Prevention of odor formation by urine located in the odor seal by use of a sealing fluid that floats on the urine
- e) Drainage of urine or of water used for leaning and servicing
- f) Bactericidal and fungicidal effect of seal fluid used (good inhibition)
- g) Ability of the urinal basin and odor seal to be cleaned

2.2 Testing method to be used

- a) Dimension checks (standard and functional dimensions)
- b) Heat treatment of polyethylene and ABS
- c) Check for pressure fluctuations per DIN EN 1253-2
- d) Leak test per DIN 19541
- e) Testing of operation

2.3 Design and measurements

Not applicable.

2.4 Implementation

DIN EN 12056-1, -2, and -5 together with DIN 1986-100 (currently in draft) and -2 apply for implementation of sanitary facilities within buildings.

As an exception to this, D4 and D5 urinal basins without water flush may be used in accordance with the information of this general Building Inspection Testing Certificate. The manufacturer's instructions must be followed during installation.

2.5 Use, storage, and servicing

D4 and D5 urinal basins without water flush may only be used with provided adapter housings and TW-H4T odor seals with seal as in Item 1.2 and with the use of ALL SEAL seal fluid according to the manufacturer's instructions.

D4 and D5 urinal basins must be regularly cleaned and serviced according to the manufacturer's instructions (see the Appendix to this general Building Inspection Testing Certificate).

3 Proof of Compliance

3.1 General

Confirmation of compliance of the construction product with specifications of this general Building Inspection Testing Certificate must be performed for each manufacturing factory with a compliance declaration by the manufacturer based on internal production monitoring and on initial testing of the construction product based on the following specifications (Proof of Compliance UeHP).

3.2 Internal factory production monitoring

An internal production monitoring regime must be established and used in each manufacturing facility.

Within the scope of an internal production monitoring regime, at least the following tests must be performed using sample extraction:

- Dimensions of the drain fittings and receptacle of the adapter housing in ceramic basins
- Water absorption of sanitary porcelain per DIN 1390-2
- Main dimensions of odor seals, particularly the outer diameter and dimensions of the adapter housing
- Ability of odor seal and adapter housing to be installed
- Lack of leak between urinal basin and adapter housing, and between buildings and odor seal insert
- Designation

Results of internal production monitoring must be designated, evaluated, and archived for at least five years. They must be presented to the testing station issuing the general Building Inspection Testing Certificate upon demand.

3.3 Initial testing of the construction product

The product characteristics listed under Item 2.1 must be tested within the scope of initial testing.

A comprehensive initial testing of the construction product has already been performed by the LGA branch in Wuerzburg. Essentially, the following product characteristics were tested: Items 2.1 a) through g).

For testing results, refer to LGA Testing Report No. 0120192-01

3.4 External monitoring

External monitoring is not required in the case of this Proof of Compliance UeHP.

4 Symbol of Compliance

Each construction product must be designated by the manufacturer with the Symbol of Compliance (Ü Symbol) according to the Symbol of Compliance regulations of the countries involved. The Ü Symbol with prescribed information must be placed on the construction product or on the packaging (a packing slip may also be used), or, if impossible, on the shipping documents.



[Included within the “U”: Manufacturer’s Name, P-4023 LGA]

5 Legal Basis

This general Building Inspection Testing Certificate is issued based on § 21 of the Bavarian Construction Code (corresponding to § 21 a of the Sample Construction Code for states of the Federal Republic of Germany) in connection with the Construction Regulation List A Part 1, sequential number 12.2.6.

- 6 General Instructions
- 6.1 This general Building Inspection Testing Certificate does not replace any legally-prescribed permission, approval, or certification required for construction.
- 6.2 This Building Inspection Testing Certificate is issued without compromise to the rights of Third Parties, particularly private protective rights.
- 6.3 The Contractor must maintain this Building Inspection Testing Certificate at the construction or installation site.
- 6.4 This Building Inspection Testing Certificate may be reproduced only in its entirety. Publication of an extract requires the approval of the LGA branch in Wuerzburg. Text and illustrations of advertisements must not contradict this general Building Inspection Testing Certificate. Translations of this Building Inspection Testing Certificate must contain the statement "This translation of the German-language original has not been reviewed by the LGA branch in Wuerzburg."

Wuerzburg, 7/2/2001
stö/ru

Materials Testing Bureau

[signature]

Stoerrlein, Certified Engineer
Director for Construction

[round stamp: Bavarian State Industrial Institute, Wuerzburg Branch]