

## ICC ES Legacy Report

Report Number 2213A • ICC Evaluation Service, Inc. • [www.icc-es.org](http://www.icc-es.org)

*This report presents the findings of a study conducted by ICC Evaluation Service regarding Falcon Waterfree urinals compliance to plumbing codes.*

The Subcommittee on Evaluation has reviewed the data submitted for compliance with the *Standard Plumbing Code*®, the *International Plumbing Code*®, and the Florida Building Code - Plumbing and submits to the Building Official or other authority having jurisdiction the following report. The Subcommittee on Evaluation, ICC-ES and its staff are not responsible for any errors or omissions to any documents, calculations, drawings, specifications, tests or summaries prepared and submitted by the design professional or preparer of record that are listed in the Substantiating Data Section of this report. Portions of this report were previously included in SBCCI PST & ESI Evaluation Report #2213.

**REPORT NO.:**  
2213A

**EXPIRES:**  
See the current EVALUATION REPORT LISTING

**CATEGORY:**  
PLUMBING FIXTURES

**SUBMITTED BY:**  
FALCON WATERFREE TECHNOLOGIES  
10900 WILSHIRE BLVD.  
15TH FLOOR  
LOS ANGELES, CALIFORNIA 90024

### 1. PRODUCT TRADE NAME

Falcon Waterfree Urinals: U1P and U2P models (Vitreous China)

### 2. SCOPE OF EVALUATION

Plumbing Fixture

### 3. USES

Water free urinals for installation in new facilities or existing facilities using existing sanitary sewer systems.

### 4. DESCRIPTION

The urinals are made of vitreous china. They have an integral trap with a liquid seal and an outlet assembly for connection to the drainage system. The plumbing fixture is designed to receive and convey only liquid waste (urine) through a trap seal and into the gravity drainage system without the use of water for such function. The integral trap consists of a SealTrap™ cartridge filled with the recommended volume of a proprietary sealant called AllSeal™. The differences between the U1P and U2P are aesthetic and the mounting configurations. Both are porcelain or vitreous china.

### 5. INSTALLATION

The manufacturer's published installation instructions shall be strictly adhered to and if requested by the building official a copy of these shall be available at all times on the job site during installation.

## 6. SUBSTANTIATING DATA

- 6.1 Manufacturer's specifications, drawings, and installation instructions.
- 6.2 SGS U.S. Testing Company test report No.152678-R, resistance to stoppage, tightness test, odor and material tests, at Tulsa Laboratory, dated May 8, 2001, and signed by Jeff Simmons and Dale E. Holloway.
- 6.3 NSF test report #504974-1 on Falcon Waterfree Technologies Plastic SealTrap™ Cartridge, dated December 12, 2001, and signed by Atabek Ciechanowski.
- 6.4 NSF test report #504996-1 on Falcon Waterfree Technologies ABS material, dated December 13, 2001, and signed by Atabek Ciechanowski.
- 6.5 Letter from NSF on Standard 14 Special Engineered Product dated January 8, 2002, signed by R. Ripley Martin.

## 7. CODE REFERENCES

*Standard Plumbing Code*—1994 Edition with 1995/1996/1997 Revisions

Section 103.7 Alternate Materials and Alternate Methods of Construction

Section 405 Materials

Section 406 Water Conservation

*Standard Plumbing Code*—2000 Edition

*International Plumbing Code*—2000 Edition

Section 105.2 Alternate Materials, Methods and Equipment

Section 303.3 Plastic Pipe, Fittings and Components

Section 419.1 Urinals

Section 604.4 Maximum Flow and Water Consumption

*Florida Building Code 2001 - Plumbing*

Section 103.7 Alternate materials and methods

Section 303.3 Plastic Pipe, Fittings and Components

Section 419.1 Approval

Section 604.4 Maximum Flow and Water Consumption

## 8. COMMITTEE FINDINGS

The Subcommittee on Evaluation in review of the data submitted finds that, in their opinion, the Falcon Waterfree Urinal as described in this report conforms with or is a suitable alternate to that specified in the *Standard Plumbing Code*, the *International Plumbing Code*, and the *Florida Building Code—Plumbing or Supplements thereto*.

## 9. LIMITATIONS

- 9.1 This Evaluation Report and the installation instructions, when required by the building official, shall be submitted at the time of permit application.

9.2 The maintenance instructions and instructions for replacement of the cartridge must be affixed to the urinal and the cartridge container. The instructions on the urinal must not be removed except by the owner.

9.3 The cartridge shall be replaced every three months or after approximately 7000 uses whichever comes first.

9.4 The acrylic urinals by Falcon Waterfree Technologies are outside the scope of this report.

## 10. IDENTIFICATION

Each Falcon Waterfree urinal and cartridge container shall bear the manufacturer's name and the Seal of the SBCCI Public Safety Testing and Evaluation Services, Inc. or initials (SBCCI PST & ESI) and the number of this report for field identification.

## 11. PERIOD OF ISSUANCE

SEE THE CURRENT EVALUATION REPORT LISTING FOR STATUS OF THIS EVALUATION REPORT.

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