

PMG LISTING CRITERIA FOR PREFABRICATED, TILABLE SHOWER RECEPTOR KIT

LC1030

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PREFACE

Plumbing, mechanical and fuel gas (PMG) listings issued by ICC Evaluation Service, LLC (ICC-ES), are based upon performance features of the *International Plumbing Code*®, *International Mechanical Code*®, *International Residential Code*®, *Uniform Plumbing Code* and *Uniform Mechanical Code*. Section 105.2 of the *International Plumbing Code*® reads as follows:

Alternative materials, methods and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material or method of construction shall be approved where the code official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety.

Similar provisions are contained in the Uniform Codes.

ICC-ES may consider alternate listing criteria, provided the listing applicant submits valid data demonstrating that the alternate listing criteria are at least equivalent to the listing criteria set forth in this document, and otherwise demonstrate compliance with the performance features of the codes. Notwithstanding that a product, material, or type or method of construction meets the requirements of the criteria set forth in this document, or that it can be demonstrated that valid alternate criteria are equivalent to the criteria in this document and otherwise demonstrate compliance with the performance features of the codes, ICC-ES retains the right to refuse to issue or renew a listing, if the product, material, or type or method of construction is such that either unusual care with its installation or use must be exercised for satisfactory performance, or if malfunctioning is apt to cause unreasonable property damage or personal injury or sickness relative to the benefits to be achieved by the use of the product, material, or type or method of construction.

Listing criteria are developed solely for use by ICC-ES for purposes of issuing ICC-ES PMG listings.

1.0 INTRODUCTION

1.1 Purpose: The purpose of this listing criteria is to establish requirements for prefabricated, tilable shower receptors to be recognized in an ICC Evaluation Service, LLC (ICC-ES), listing.

1.2 Scope: This listing criteria defines test methods and performance requirements applicable for prefabricated, tilable shower receptors.

1.3 Codes and Referenced Standards:

Note: Any standard referenced herein shall be the current edition of that standard. In instances where the applicable code references a different edition of a given standard, the applicant shall also provide documentation of conformance with the code-referenced standard edition.

1.3.1 2012 and/or 2009 *International Plumbing Code*[®] (IPC), Chapter 4, Fixtures, Faucets and Fixture Fittings, International Code Council.

1.3.2 2012 and/or 2009 *International Plumbing Code*[®] (IRC), Chapter 27, Plumbing Fixtures, International Code Council.

1.3.3 2009 IAPMO *Uniform Plumbing Code*^{™*} (UPC), Chapter 4, Plumbing Fixtures and Fixture Fittings, International Association of Plumbing and Mechanical Officials.

1.3.4 ANSI A 118.10, Load Bearing, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installations, American National Standards Institute.

1.3.5 ASME A112.18.2/CSA B125.2, Plumbing Waste Fittings, American Society of Mechanical Engineers and Canadian Standards Association.

**Uniform Plumbing Code*[®] is a registered trademark of IAPMO

2.0 BASIC INFORMATION

The following basic information shall be provided:

2.1 Product Description: Complete information regarding the prefabricated, tilable shower receptor material specifications, thickness and size, including drain and membrane specifications.

2.2 Installation Instructions: The product shall be installed in accordance with the manufacturer's instructions and the requirements of the applicable codes and standards noted in Section 1.3.

2.3 Product and Packaging Identification: The unit and the package shall be permanently and legibly marked with the manufacturer's name or trademark, and the model number. The product shall also bear the ICC-ES PMG® listing mark. The ICC-ES listing number shall be placed on the listed product's packaging or on the installation instructions.

3.0 GENERAL REQUIREMENTS

3.1 Prefabricated, Tailable Shower Receptor: The prefabricated, tailable shower receptor surfaces to be covered shall be smooth and free of irregularities that would make installation covering uneven. The size and slope shall conform to the requirements of the latest editions of the IPC, IRC and UPC. Provisions shall exist to allow movement of water along the prefabricated, tailable shower receptor into the drain.

3.2 Shower Lining Membrane: The shower lining membrane shall conform to ANSI A 118.10 and shall have a current listing with an approved third-party certification agency. Provisions shall exist to allow movement of water along the shower lining membrane into the drain. Attachment of the membrane to the receptor, in the field, shall be made in accordance with the manufacturer's published installation instructions.

3.3 Shower Drain: The shower drain shall conform to the applicable material and performance requirements in ASME A112.18.2/CSA B125.2 and shall have a current listing with an approved third-party certification agency. Attachment of the drain to the receptor, in the field, shall be made in accordance with the manufacturer's published installation instructions.

4.0 TEST METHOD AND PERFORMANCE REQUIREMENTS

The sample shall be installed in accordance with manufacturer's instructions prior to tiling. The outlet of the drain is sealed to allow a 1/2-inch body of water to stand over the membrane. The 1/2-inch shall be measured at the highest point where the membrane connects to the shower receptor. The water shall stand for one hour while observations are made for any sign of water leaking through the membrane. The sample shall show no signs of leakage under the membrane or corners of the receptor.

5.0 LISTING RECOGNITION

5.1 Shower floors shall be sloped toward the shower drain.

5.2 Where the applicant's selected shower lining membrane and/or shower drain holds a current PMG listing or evaluation report from ICC-ES, the product name, manufacturer and listing/report number for the membrane and/or drain shall appear in the listing. Otherwise, the report shall require that documentation of conformance with ANSI A118.10 for the lining membrane and/or ASME A112.18.2/CSA B125.2 for the drain be supplied, when requested by the code official.