

ICC-ES Report

PMG-1199

ICC-ES | (800) 423-6587 | (562) 699-0543 | www.icc-es.org

Issued 07/2016
This report is subject to renewal 07/2017

EVALUATION SUBJECT:

**MARMOX BOARD / PROTILE™ SHOWER SYSTEMS AND TILE BACKER
BOARD UNDERLAYMENTS**

DIVISION:

22 00 00—PLUMBING

SECTION:

22 40 00—PLUMBING FIXTURES

Report Holder:

**CHEMICALS FOR MODERN BUILDING (CMB)
EGYPT**

319 EL HARAM STREET
GIZA, EGYPT



Look for the ICC-ES marks of Conformity!



ICC-ES PMG Listing**PMG-1199**

Effective Date: July 2016

This listing is subject to re-examination in one year.

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A Subsidiary of the International Code Council®

CSI: DIVISION: 22 00 00—PLUMBING
Section: 22 40 00—Plumbing Fixtures (Shower System Kit)

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: Marmox Board / ProTile™ Shower Systems and Tile Backer Board Underlayments

Listee: Chemicals for Modern Building (CMB) Egypt
319 El Haram Street
Giza, Egypt
www.cmbegypt.com
www.cmbgroup.com

Additional listees:

ProTile Systems, Inc.
3312 Northside Drive, Suite 416
Key West, Florida 33040
www.ProTileSystems.com

Compliance with the following codes:

2015, 2012 and 2009 *International Plumbing Code*® (IPC)
2015, 2012 and 2009 *International Residential Code*® (IRC)
2015, 2012 and 2009 *Uniform Plumbing Code*® (UPC)*
2011 *Uniform Plumbing Code-India*™ (UPC-I)*

**Uniform Plumbing Code is a copyrighted publication of the International Association of Plumbing and Mechanical Officials*

Compliance with the following standard:

ANSI A118.12-2014, Specification for Robinson Floor Test and Crack Isolation Membranes for Thin Set Ceramic Tile and Dimension Stone Installation
ASTM C666-2015, Test Method for Resistance of Concrete to Rapid Freezing and Thawing
ASTM E84-2015b, Test Method for Surface Characteristics of Building Materials
ASTM E331-2000(R16), Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
IAPMO PS 106-2015e1, Tileable Shower Receptors and Shower Kits

Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this listing, or as to any product covered by the listing.



Identification:

Packaging label for each system shall include the manufacturer's name or trademark as well as the ICC-ES PMG certification mark.

Installation:

The Marmox Board / ProTile™ Shower Systems shall be installed in accordance with the manufacturer's published instructions and the applicable code(s). Shower system components shall be assembled and can be customized in the field. All shower bases and panels can be cut to size with hand saws or skill saws. Round curvy cuts can be made with a hand saw or jig saw. Marmox / ProTile™ pre-sloped, ready to tile shower bases may be used in lieu of an ANSI Z124.1.2 plastic shower receptor or any liner based shower base installation.

When provided, drains must comply with ASME A112.18.2/CSA B125.2 as applicable. Marmox / ProTile™ drain assemblies do not require weep holes.

Models:

The Marmox Board / ProTile™ Shower Systems are pre-sloped, ready-to-tile floor units. Marmox / ProTile shower panels are engineered as a general purpose backer board and underlayment for tile and consist of rigid extruded polystyrene foam covered on both sides with cement based, honeycombed, polymer modified surface and reinforcing mesh for durability and bonding with any type of thinset mortar. Marmox / ProTile™ shower bases and wall panels, system assembly and components were proven to be waterproof when tested in accordance with IAPMO PS 106 and ASTM E331. The VP1 boards have an average permeance value of up to .008 (gr/ft²/hr) when tested in accordance with ASTM E96. Material was verified as having no visual defects or cracks when tested to ASTM C666 and the installation is rated "Extra Heavy" when tested to ANSI A118.12 and has a flame-spread rating of 0 and smoke development rating of 70 for a Class A rating when tested in accordance with ASTM E84.

Shower system may include the following components: shower bases, wall panels, curbs, niches, seats, benches, ramps, vapor barrier, fasteners, cover plates, sealants and drain.

Conditions of Listing:

1. The Marmox Board / ProTile™ Shower Systems shall be installed in accordance with the manufacturer's published instructions and the applicable code(s).
2. The Marmox Board / ProTile™ Shower Systems are manufactured in Sadat City, Egypt under a quality control program with annual surveillance inspections by ICC-ES.