

ICC-ES Report

PMG-1204

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Reissued 08/2016
This report is subject to renewal 08/2017

EVALUATION SUBJECT:

SCHLUTER® – SHOWER SYSTEM

DIVISION:

22 00 00—PLUMBING

SECTION:

22 40 00—PLUMBING FIXTURES

Report Holder:

SCHLUTER® SYSTEMS L.P.

194 PLEASANT RIDGE ROAD
PLATTSBURGH, NY 12901



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ICC-ES PMG Listing**PMG-1204**

Effective Date: August 2016

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

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CSI: DIVISION: 22 00 00—PLUMBING
Section: 22 40 00—Plumbing Fixtures

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: Schluter®- Shower System

Listee: Schluter® Systems L.P.
194 Pleasant Ridge Road
Plattsburgh, New York 12901
www.schluter.com

Additional Listee:

Schluter® System (Canada) Inc.
21100 Chemin Ste-Marie
Ste-Anne-de-Bellevue QC H9X 3Y8

Compliance with the following codes:

2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)
2015, 2012, 2009 and 2006 *International Plumbing Code*® (IPC)
2015, 2012, 2009 and 2006 *Uniform Plumbing Code*® (UPC)*
2015, 2012 and 2009 National Standard Plumbing Code (NSPC)**Uniform Plumbing Code is a copyrighted publication of the International Association of Plumbing and Mechanical Officials*

Compliance with the following standards:

CSA B79-2008 (R2013), Commercial and Residential Drains and Cleanouts
ASME A112.18.2/CSA B125.2-2015, Plumbing Waste Fittings
IAPMO IGC 195-2013a, Shower Drains with Integrated Bonding Flanges
ANSI A118.10-2014, Load Bearing, Bonded, Waterproofing Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation

Identification:

Packaging for the Schluter®-Shower System described in this listing must be identified by a label bearing the manufacturer's name, the product name, and the ICC-ES PMG listing mark. Packaging for membrane may also be marked with the ICC evaluation report number (ESR-2467).

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.



Installation:

Installation of Schluter®-KERDI, Schluter®-DITRA, Schluter®-DITRA-XL, Schluter®-DITRA-HEAT, and Schluter®-DITRA-HEAT-TB membranes and accessories must be installed in accordance with the manufacturer's published instructions and the applicable codes. The manufacturer's published installation instruction must be available at the jobsite at all times during installation. Membranes are suitable for use with any bonded, thin-set mortar without the need for additional adhesives or primers. The membranes are separated at expansion joints to avoid restriction of the joint movement and the seams are sealed with flexible KERDI-FLEX.

The Schluter®-KERDI-DRAIN and Schluter®-KERDI-LINE are suitable for use with tile showers. The shower drain with integrated bonding flange must be installed in accordance with the manufacturer's published instructions and the applicable codes.

The Schluter®-DITRA-HEAT and Schluter®-DITRA-HEAT-TB may be installed with the DITRA-HEAT-E-HK heating cable sets. Heating cables are certified under CSA File 259839 and are outside the scope of this report. Although some jurisdictions do not require another layer of membrane to be installed over cable prior to laying tile, the manufacturer does recommend a layer of Schluter®-KERDI over cables in shower installations. The final approval shall be determined by the authority having jurisdiction in that area. Cable waterproofing can be found under the CSA File 259839.

Models:

The Schluter®-Shower System is an integrated family of products which together create a fully waterproof enclosure in tiled showers, steam showers, and bathtub surrounds. The shower system assembly and components were proven to be waterproof and mold resistant when tested in accordance with ANSI A118.10. Shower drain with integrated bonding flange complied with CSA B79, ASME A112.18.2/CSA B125.2, and IAPMO IGC 195 and do not require weep holes.

The Schluter®-Shower System may include the following components: waterproofing membrane, waterproofing strip, inside and outside corners, pipe and mixing valve seals, uncoupling and waterproofing membrane and drain assembly.

Waterproofing Membrane

Model	Description
Schluter®-KERDI	Polyethylene waterproofing membrane covered on both sides with a fleece webbing to anchor the membrane in ceramic tile thin-set mortar. The 8 mil-thick [(0.008 in.)(0.203 mm)] membrane is available in a width of 39 in. (1 m) and in various lengths.
Schluter®-DITRA	Polyethylene waterproofing membrane with a grid structure of square cavities on the top side, each square cut back in a dovetail configuration, and fleece laminated to underside of the membrane to anchor the membrane in ceramic tile thin-set mortar. The 1/8-in. thick (3.2 mm) membrane is available in a width of 39 in. (1 m) and in various lengths.
Schluter®-DITRA-XL	Identical to the Schluter®-DITRA except that the thickness of the membrane is 5/18-in. (7 mm) thick.
Schluter®-DITRA-HEAT	Polypropylene membrane with a cut-back stud structure and an anchoring fleece laminated to the underside. The thickness of the mat, including the stud structure is 1/4 in. (5.5 mm). The stud structure is specifically designed to secure DITRA-HEAT-E-HK electric-floor heating cable in place.
Schluter®-DITRA-HEAT-TB	Polypropylene membrane with a cut-back stud structure and a thermal break anchoring fleece laminated to the underside. The thickness of the mat, including the stud structure is 5/16 in. (7.8 mm). The stud structure is specifically designed to secure DITRA-HEAT-E-HK electric-floor heating cable in place.

The following accessories are used with either of the membranes listed above:

KERDI-BAND: Strips used as seaming tape to seal butt or corner joints, 4 mils thick [(0.004 in.)(0.102 mm)], range from 5 to 10 in. (127 to 254 mm) in width, and come in various lengths.

KERDI-FLEX: Flexible strips used to seal expansion or flexible edge joints, 12 mils thick [(0.012 in.)(0.305 mm)], range from 5 to 10 in. (127 to 254 mm) in width, and come in various lengths.

KERDI-KERECK-F: Preformed inside and outside corners are 4 mils thick [(0.004 in.)(0.102 mm)]

Schluter® KERDI-DRAIN

Drain-Kit Model	Drain-Kit Description
KD2 / *** / **	Any 4-inch or 6-inch grate in SS 304 or anodized aluminum to be used with any 2-inch Schluter® Drain
KD3 / *** / **	6-inch grate in SS 304 to be used with any 3-inch Schluter® Drain

Suffixes: *Size / Flange Material / Drain Grate Finish*

- KD2 = 2 inch drain
- KD3 = 3 inch drain
- ABS = ABS flange
- PVC = PVC flange
- E = stainless steel in drain flange and/or 4" stainless steel square grate
- 6E = 6" stainless steel square grate
- 6RE = 6" stainless steel round grate
- AMGB = 4" Brushed brass anodized aluminum square grate
- ATGB = 4" Brushed nickel anodized aluminum square grate
- AKGB = 4" Brushed copper/bronze anodized aluminum square grate
- ECS = 4" Stainless steel square tileable covering support

Schluter® -KERDI-LINE

Model No.	Description
KLV 60 E XX	Bonding Flange with Standard 2" no-hub outlet
KLVO 60 E XX	Bonding Flange with Standard 2" no-hub outlet
KLAR 19 EB XX	Solid Grate Assemblies with 19mm High Adjustable Frame
KLAR 30 EB XX	Solid Grate Assemblies with 19mm High Adjustable Frame
KLB 19 EB XX	Perforated Grate Assemblies with 19mm High Adjustable Frame
KLB 30 EB XX	Perforated Grate Assemblies with 30mm High Adjustable Frame
KLDRE XX	Frame-less Grates
KLDREO XX	Frame-less Grates

Suffixes: XX represents any of the following lengths: 500mm, 600mm, 700mm, 800mm, 900mm, 1000mm, 1100mm, 1200mm, 1300 mm, 1400 mm, 1500 mm, 1600 mm, 1700 mm, 1800 mm
 With the exception of KLVO60E and KLDREO where the lengths are: 700mm, 800mm, 900mm, 1000mm, 1100mm, 1200mm

Conditions of Listing:

1. Shower floors must be sloped toward the drain.
2. Where each shower space is not provided with an individual waste outlet, the waste outlet must be located and the floor pitched so that waste from one shower does not flow over the floor area serving another shower.
3. Application is limited to ceramic tile, decorative concrete, granite slab and dimension stone installations on floors, and to use as shower sub-pans or lining.
4. Waterproof membrane must be a Schluter® KERDI or DITRA model as described in ICC-ES ESR 2467, or an approved equivalent. Documentation of the waterproof membrane's conformance with ANSI A118.10 must be supplied to the code official when requested, or the membrane must have a current listing by ICC-ES.
5. Where installation is below the floor decking, the drain can be oriented parallel or perpendicular to any floor joists. Cutting or notching must be in accordance with the applicable code.
6. The DITRA-HEAT-E-HK heating cables sets are certified under CSA File 259839 and are outside the scope of this report.
7. The Schluter® Shower System components are assembled by Schluter® Systems L.P. in Plattsburgh, New York under a quality control program with annual inspection conducted by ICC-ES.