

# ICC-ES Report

## PMG-1204

Reissued 05/03/2018

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This report is subject to renewal 08/2018

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 Product Certificate

**PMG-1204**



Effective Date: August 2017

Revision Date: May 3, 2018

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

### 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](http://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:

2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)  
2018, 2015, 2012, 2009 and 2006 *International Plumbing Code*® (IPC)  
2018, 2015, 2012, 2009 and 2006 *Uniform Plumbing Code*® (UPC)\*  
2015, 2012 and 2009 National Standard Plumbing Code (NSPC)

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### 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).

**Installation:**

Installation of Schluter®-KERDI, Schluter®-KERDI-DS, Schluter®-DITRA, Schluter®-DITRA-XL, Schluter®-DITRA-HEAT, Schluter®-DITRA-HEAT-TB and Schluter®-DITRA-HEAT-DUO 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, Schluter®-DITRA-HEAT-TB and Schluter®-DITRA-HEAT-DUO 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
<b>Schluter®-KERDI</b>	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.
<b>Schluter®-KERDI-DS</b>	Polyethylene waterproofing membrane covered on both sides with a fleece webbing to anchor the membrane in ceramic tile thin-set mortar. The 20 mil-thick [(0.020 in.)(0.508 mm)] membrane is available in a width of 39 in. (1 m) and in various lengths.
<b>Schluter®-DITRA</b>	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.
<b>Schluter®-DITRA-XL</b>	Identical to the Schluter®-DITRA except that the thickness of the membrane is 5/18-in. (7 mm) thick.
<b>Schluter®-DITRA-HEAT</b>	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.

<b>Schluter®-DITRA-HEAT-TB</b>	Polypropylene membrane with a cut-back stud structure and a thermal break/sound attenuation 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.
<b>Schluter®-DITRA-HEAT-DUO</b>	Polypropylene membrane with a cut-back stud structure and a thermal break/sound attenuation 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)]

**KERDI-KERS /-B:** Preformed left and right corners are 4 mils thick [(0.004 in.)(0.102 mm)]

**KERDI-SEAL-PS/-MV:** Preformed circular cut membrane with santoprene gasket used to seal protrusions, 4 mils thick [(0.004 in.)(0.102 mm)]

**KERDI-DF 32:** Preformed flashing collar to be clamped in place after applying a bead of KERDI-FIX or equivalent sealant on the drain body, 20 mils thick [0.020 in (0.5 mm)].

**Schluter® KERDI-DRAIN**

Drain-Kit Model	Drain-Kit Description
<b>KD2 / *** / **</b>	<b>Any 4-inch or 6-inch grate in SS 304 or anodized aluminum to be used with any 2-inch Schluter® Drain</b>
<b>KD3 / *** / **</b>	<b>6-inch grate in SS 304 to be used with any 3-inch Schluter® Drain</b>
<b>KDGIF10EBD5/GR</b>	<b>Floral Grate 4-inch in brushed stainless steel</b>
<b>KDGIF10EBD6/GR</b>	<b>Curve Grate 4-inch in brushed stainless steel</b>
<b>KDGIF10EBD8/GR</b>	<b>Pure Grate 4-inch in brushed stainless steel</b>

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
- EB = stainless steel brushed grate finish
- EP = stainless steel polished finish to have a chrome appearance
- 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
<b>KLV 60 E XX</b>	<b>Bonding Flange with Standard 2" no-hub outlet</b>
<b>KLVO 60 E XX</b>	<b>Bonding Flange with Standard 2" no-hub outlet</b>
<b>KLAR 19 EB XX</b>	<b>Solid Grate Assemblies with 19 mm High Adjustable Frame</b>
<b>KLAR 19 EP XX</b>	<b>Solid Grate Assemblies with 19 mm High Adjustable Frame</b>

<b>KLAR 30 EB XX</b>	<b>Solid Grate Assemblies with 30 mm High Adjustable Frame</b>
<b>KLB 19 EB XX</b>	<b>Perforated Grate Assemblies with 19 mm High Adjustable Frame</b>
<b>KLB 19 EP XX</b>	<b>Perforated Grate Assemblies with 19 mm High Adjustable Frame</b>
<b>KLB 30 EB XX</b>	<b>Perforated Grate Assemblies with 30mm High Adjustable Frame</b>
<b>KLDRE XX</b>	<b>Tileable Frame-less Grates</b>
<b>KLDREO XX</b>	<b>Tileable Frame-less Grates</b>
<b>KLIFE 23 EB XX</b>	<b>Floral Grate assemblies with 23mm high adjustable frame</b>
<b>KLIFF 23 EB XX</b>	<b>Curve Grate assemblies with 23mm high adjustable frame</b>
<b>KLIFG 23 EB XX</b>	<b>Pure Grate assemblies with 23mm high adjustable frame</b>

*Suffixes:* XX represents any of the following lengths: 50 cm, 60 cm, 70 cm, 80 cm, 90 cm, 100 cm, 110 cm, 120 cm, 130 cm, 140 cm, 150 cm, 160 cm, 170 cm, 180 cm

With the exception of KLVO60E and KLDREO where the lengths are: 70 cm, 80 cm, 90 cm, 100 cm, 110 cm, 120 cm

With the exception of KLIFE 23 EB, KLIFF 23 EB and KLIFG 23 EB, where the lengths are: 50 cm, 60 cm, 70 cm, 80 cm, 90 cm, 100 cm, 110 cm, 120 cm

#### 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.