

# BALCONY AND TERRACE PROFILES



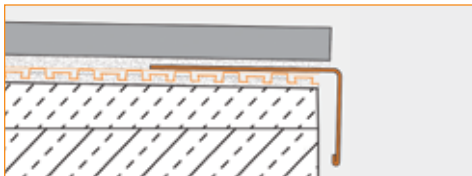
## INNOVATIVE SOLUTIONS FOR CERAMIC AND STONE TILE

### FINISHING AND EDGE PROTECTION SYSTEM

Ceramic and stone tiles are ideal surface coverings for the exterior and have been used successfully in outdoor applications for thousands of years. Exterior balconies and terraces provide excellent opportunities for the installation of tiled surfaces. The Schluter®-BARA products provide edge finishing for water management at balcony and terrace perimeters.

### Application and Function

#### Edge-finishing Profiles

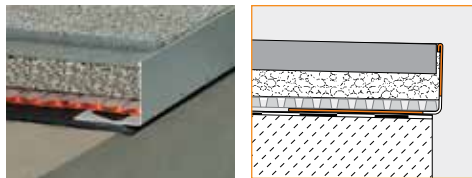


**5.3 Schluter®-BARA-RW** is a stainless steel or color-coated aluminum, L-shaped edging profile for balconies and terraces. The profile provides a neat edge appearance while concealing and protecting the exposed edges of the setting bed against weathering and corrosion.

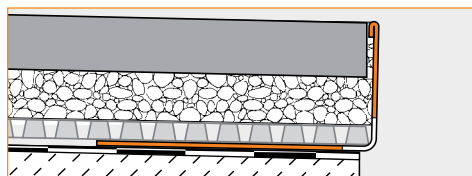
BARA-RW is suitable for the renovation of balconies and terraces where a tile covering is to be installed onto an existing substrate using the thin-bed method. The profile is solidly embedded into the thin-set mortar and integrated into the bonded waterproof layer. BARA-RW is available with a special radius perforation "R" so that the profile can be used to form curves. Matching outside corners and connector pieces are available.



5.3 Schluter®-BARA-RW



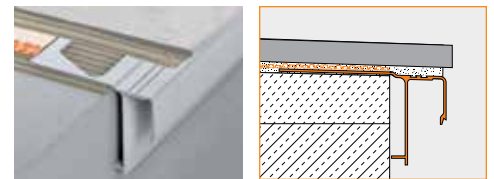
5.15 Schluter®-BARA-RWL



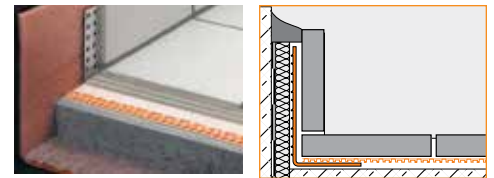
**5.15 Schluter®-BARA-RWL** is a color-coated aluminum, L-shaped finishing profile for large-format pavers that are laid on loose gravel layers or stilted assemblies above a waterproofing layer and drainage layer.

The trapezoid-perforated anchoring leg of BARA-RWL is placed along the edge, on top of the waterproofing layer, and adjusted to the proper height and alignment. The vertical finishing leg covers the edge of either the entire surface assembly or just the gravel layer or stilts. Profile heights from 9/16" to 5-29/32" (15 to 150 mm) allow for any type of edge formation. Drainage holes, spaced at approximately 2-15/16" (75 mm), are incorporated at the transition of the anchoring leg and the finishing leg to ensure the proper drainage of any collecting seepage water.

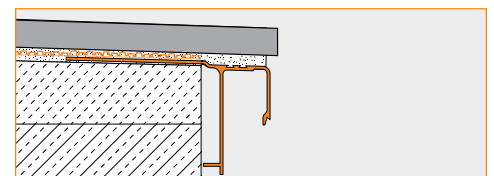
BARA-RWL is available with a special radius perforation "R" so that the profile can be used to form curves.



5.5 Schluter®-BARA-RAK



5.1 Schluter®-BARA-ESOT



**5.5 Schluter®-BARA-RAK** is a color-coated aluminum edging profile with a drip lip that finishes the exposed edges of floor assemblies on balconies and terraces that have an existing sloped screed. BARA-RAK produces a clean edge finish and protects the exposed edges against weathering and decay.

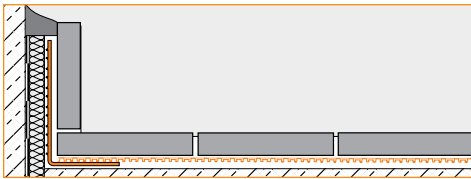
The trapezoid-perforated anchoring leg of BARA-RAK should be integrated with a suitable waterproofing membrane. Once the anchoring leg of BARA-RAK becomes integrated with the roofing membrane, tile installation can begin. Schluter®-SCHIENE or Schluter®-RONDEC can be applied to edge the tiles at the recessed transition to the drip lip. The tiles can also be laid with an overhang.

**Note:** When using BARA-RAK as an edging profile for floor assemblies that are to receive

a roofing membrane with a mortar screed on top, a drainage layer, such as TROBA-PLUS, must be incorporated into the surface assembly.

Matching inside corners, outside corners, and connector pieces are available for BARA-RAK.

### Base Support Profile



**5.1 Schluter®-BARA-ESOT** is a stainless steel right-angle support profile for attaching base tiles to non-load-bearing substrates. These substrates include metal flashing or bituminous waterproofing layers that are used at floor/wall transitions on balconies and terraces. A foam insulation strip, cut to the same height as the base tile, is placed between the vertical leg of the profile and the wall to prevent a force-conductive bond.

The trapezoid-perforated anchoring leg of BARA-ESOT is anchored between the setting bed and the tile. The special perforations of the vertical leg position BARA-ESOT approximately 1/32" (1 mm) from the insulating strip and promote a mechanical bond between the thin-set mortar and vertical leg.

Base tiles installed on BARA-ESOT will resist normal impact caused by brooms or mops.

### Material Properties and Areas of Application

In special cases, the suitability of BARA profiles must be verified based on the anticipated chemical, mechanical, and/or other stresses.

**Color-coated aluminum** BARA profiles consist of pre-treated (chromated) color-coated aluminum, which is roll-formed from aluminum sheets. The coating on the aluminum is color-stable, as well as UV- and weather-resistant. Visible surfaces should be protected against abrasion.

Cementitious materials, in conjunction with moisture, become alkaline. Since aluminum is sensitive to alkaline substances, exposure to the alkali (depending on the concentration and duration of exposure) may result in corrosion (aluminum hydroxide formation). Therefore, it is important to remove mortar or grout residue from visible surfaces. In addition, ensure that the profile is solidly embedded in the setting

material and that all cavities are filled to prevent the collection of alkaline water. Similarly, any penetrating water must be prevented from collecting in the mortar bed where the BARA profiles have been anchored. To ensure this, install the TROBA-PLUS sub-surface drainage system.

**Stainless steel** BARA profiles are made from roll-formed stainless steel, type 304 (1.4301 = V2A), and can withstand high chemical and mechanical stresses. Base tiles installed on BARA-ESOT will resist normal impact caused by brooms or mops.

The suitability of the material must be verified based on the anticipated chemical, mechanical, and/or other stresses.

### Cutting Profiles

Observe all safety instructions and standards as directed by the cutting tool manufacturer, including protective eyewear, hearing protection, and gloves.

Always measure carefully and dry fit the profiles, corners, and connectors to ensure proper fit and alignment prior to setting tile.

**Aluminum** profiles may be cut using any of the following options:

- **Hacksaw** with a bimetal blade and the highest teeth per inch (TPI) available.
- **Variable-Speed Angle Grinder** set to the lowest speed using the Schluter®-PROCUT-TSM cutting wheel.
- **Chop saw or Miter Saw** with a non-ferrous blade.

Regardless of the cutting tool used, remove any burrs from the cut end of the profile with a file or similar before installation.

**Stainless steel** profiles may be cut using any of the following options:

- **Variable-Speed Angle Grinder** set to the lowest speed using the Schluter®-PROCUT-TSM cutting wheel.
- **Band Saw** with a metal cutting blade.

Regardless of the cutting tool used, remove any burrs from the cut end of the profile with a file or similar before installation.

### Installation

#### BARA-RW

1. Select BARA-RW according to the thickness of the setting bed (i.e., the height of the floor assembly to be covered). Prefabricated corners and connectors are available for

inside corners, outside corners, and butt joints. About the ends of the profile, leaving an approx. 3/16" (5 mm) joint. Cover the joint with the clip-on connector.

2. To integrate the DITRA-DRAIN membrane, install the DITRA-DRAIN under the anchoring leg.
3. Using a notched trowel, apply thin-set mortar to the area where BARA-RW is to be placed. Press the perforated anchoring leg of the profile into the thin-set mortar and align.
4. Tiles shall be laid in such a way that they extend approximately 3/4" (20 mm) beyond the edge of the profile. When using a trim profile at the edge area, the trim profile must extend beyond the BARA-RW by approximately 5/16" (8 mm).

#### BARA-RWL

1. Select BARA-RWL according to the height of the floor construction to be covered. Prefabricated corners and connectors are available for inside and outside corners. About the profile ends of BARA-RWL, leaving an approx. 3/16" (5 mm) joint. Cover the joint with the clip-on connector.
2. Before the drainage membranes (TROBA-PLUS) are installed, set the trapezoid-perforated anchoring leg of the finishing profile, BARA-RWL, onto the waterproofing layer and, if required, adjust to the proper height and alignment with dots of mortar.
3. If BARA-RWL is used as a gravel edge profile, the gravel layer should be about the vertical profile leg just below the upper lip. The concrete pavers are laid loosely on top of the leveled gravel layer.
4. If BARA-RWL is used as a finishing profile in conjunction with stilted floor coverings, the profile covers the exposed edge of the covering assembly. The support pedestals are laid on top of the trapezoid-perforated anchoring leg of BARA-RWL. The concrete pavers are then set onto the pedestals.

**Note:** To ensure unobstructed drainage at the edge areas of the covering, make certain during installation that drainage openings in the drainage membrane and profile and that spaces between the pedestals remain open.

#### BARA-RAK

1. Using a notched trowel, apply thin-set mortar to the area where BARA-RAK is to be placed. Press the perforated anchoring leg of the profile into the thin-set mortar and align.



- When using a bituminous, flat sheet applied roofing membrane, the trapezoid-perforated anchoring leg Schluter-BARA-RAK is bonded to the sloped screed at the exposed edge area with a suitable thin-set mortar. To prevent a slope reduction at the edge area, apply a gradient transition layer of thin-set mortar between the screed and the profile. The roofing membrane is carried over the cut-back channels in the bonding flange and bonded with a suitable adhesive. When installing the roofing membrane, the instructions of the manufacturer must be observed.
- To integrate the DITRA-DRAIN membrane, install the DITRA-DRAIN over the roofing membrane.
- The tiles may now be installed using the thin-bed method. Schluter-SCHIENE or Schluter-RONDEC can be applied to edge the tiles at the recessed transition to the drip lip. If the SCHIENE or RONDEC will not be used, the edge of the covering assembly should be approximately flush with the drip lip of BARA-RAK.

**Note:** Prefabricated corners and connectors are available for inside corners, outside corners and butt joints. Abut the ends of Schluter BARA-RAK, leaving an approximate 3/16" (5 mm) joint. Cover the joint with the clip-on connector.

## BARA-ESOT

- Apply a foam insulation strip to the wall at the height of the tile base.
- Using a notched trowel, apply thin-set mortar over the floor area where the profile is to be placed.
- Embed the horizontal anchoring leg of BARA-ESOT into the mortar while pressing the vertical leg of the profile against the insulation strip.
- Trowel additional thin-set mortar over the anchoring leg and embed the floor tiles into the mortar, ensuring full coverage and support of the tile.
- Apply thin-set mortar to the back of the base tiles and attach them to the vertical leg of the profile. The mortar must penetrate the profile perforations to ensure firm adhesion of the base tiles. Prior application of the foam strip prevents a force-conductive bond to the wall. A joint of approximately 3/16" (5 mm) should be left between the floor tile and the base tile. The joint must then be filled completely with grout or setting material.

- Seal the wall connection above the base tile with an appropriate sealing compound.
- Please note: The height of the base tile must either meet or exceed the height of the support profile's vertical leg. However, the foam insulation strip must be applied at full base tile height.

## Maintenance

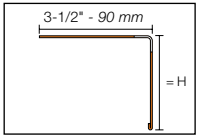
BARA profiles require no special maintenance or care.

The coatings on the **color-coated aluminum** profiles and gutter parts are colorfast and UV-resistant. Damaged surfaces shall be painted over.

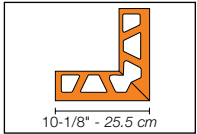
**Stainless steel** surfaces exposed to the environment or aggressive substances should be cleaned periodically with a neutral cleaner. Regular cleaning maintains the neat appearance of stainless steel and reduces the risk of corrosion. Avoid the use of strong acids (e.g. hydrochloric or hydrofluoric) and base/alkaline cleaners (e.g. bleach, ammonia, chlorides). Do not use abrasive cleaning agents and tools. Stainless steel surfaces develop a sheen when treated with a chrome-polishing agent.



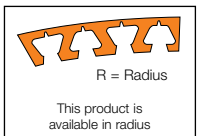
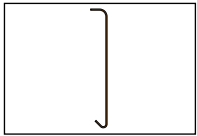
Product Item Numbers



Outside corner



Connector



5.3 Schluter®-BARA-RW

H = in. - mm	Item No.	
	Stainless steel 304 (1.4301 = V2A) (E)	Aluminum, color-coated
9/16" - 15 mm	RW 15 E	RW 15 <i>color*</i>
1" - 25 mm	RW 25 E	RW 25 <i>color*</i>
1-3/16" - 30 mm	RW 30 E	RW 30 <i>color*</i>
1-9/16" - 40 mm	RW 40 E	RW 40 <i>color*</i>
2-3/16" - 55 mm	RW 55 E	RW 55 <i>color*</i>
3" - 75 mm	RW 75 E	RW 75 <i>color*</i>
3-3/4" - 95 mm	RW 95 E	RW 95 <i>color*</i>
4-3/4" - 120 mm	RW 120 E	RW 120 <i>color*</i>
6" - 150 mm	RW 150 E	RW 150 <i>color*</i>

Length supplied: 8' 2-1/2" — 2.50 m

Accessories	Item No.
Outside corner, 90°	E 90 / <i>profile item number**</i>
Connector	V / <i>profile item number**</i>

\*Color Codes

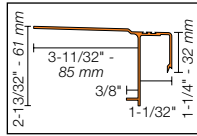


To complete the item number, add the *color* code (e.g., RW 15 **SB**).



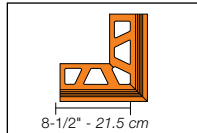
How to order corners:

\*\* To complete the item number for corners, add the corresponding *profile item number* (e.g., E 90 / RW 15 E).

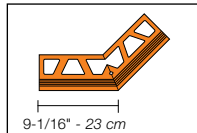


3/8" - 10 mm, 1-1/32" - 26 mm

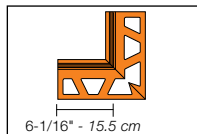
Outside corner, 90°



Outside corner, 135°



Inside corner, 90°

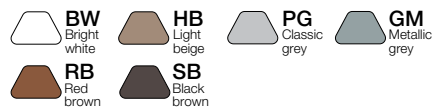


5.5 Schluter®-BARA-RAK

Item No.
Aluminum, color-coated
RAK 50 <i>color*</i>

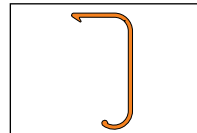
Length supplied: 8' 2-1/2" — 2.50 m

\*Color Codes



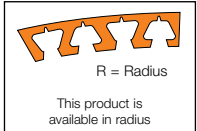
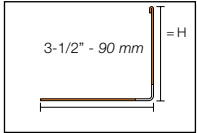
To complete the item number, add the *color* code (e.g., RAK 50 **SB**).

Connector





### 5.15 Schluter®-BARA-RWL



H = in. - mm	Item No.
	Aluminum, color-coated
9/16" - 15 mm	RWL 15 <i>color*</i>
1" - 25 mm	RWL 25 <i>color*</i>
1-3/16" - 30 mm	RWL 30 <i>color*</i>
1-9/16" - 40 mm	RWL 40 <i>color*</i>
2-3/16" - 55 mm	RWL 55 <i>color*</i>
3" - 75 mm	RWL 75 <i>color</i>
3-3/4" - 95 mm	RWL 95 <i>color*</i>
4-3/4" - 120 mm	RWL 120 <i>color*</i>
6" - 150 mm	RWL 150 <i>color*</i>

Length supplied: 8' 2-1/2" – 2.50 m

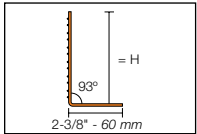
#### \*Color Code



To complete the item number, add the *color* code (e.g., RWL 65 **PG**).



### 5.1 Schluter®-BARA-ESOT



H = in. - mm	Item No.
	Stainless steel 304 (1.4301 = V2A) (E)
2-3/8" - 60 mm	ESOT 60
4-3/8" - 110 mm	ESOT 110

Length supplied: 8' 2-1/2" – 2.50 m

### Schluter®-BARA-STU

Item No.	Length	Width	Thickness
STU 335 + <i>color*</i>	13" - 33 cm	2" - 5 cm	1/64" - 0.5 mm

#### \*Color Codes



To complete the item number, add the *color* code (e.g., STU 335 **SB**).

**Note:** BARA-STU are thin strips of colored aluminum sheets, which can be cut to length with scissors and adhered with silicone as joint covers for the BARA profile series.

# Schluter®-Systems Balcony and Terrace Profiles 5-Year Limited Warranty

**LIMITED WARRANTY COVERAGE:** Subject to the conditions and limitations as stated in this **Schluter®-Systems Balcony and Terrace Profiles 5-Year Limited Warranty** (the "**Limited Warranty**"), Schluter-Systems warrants that its Schluter®-BARA-RW, Schluter®-BARA-RWL, Schluter®-BARA-RAK, and Schluter®-BARA-ESOT (collectively, the "**Products**") will be free from manufacturing defects and will perform as described in the Schluter-Systems Balcony and Terrace Profiles Technical Data Sheet (the "**Written Materials**") for a period of five (5) years from the date of purchase when installed and used in accordance with the terms and conditions of the Written Materials and industry standard guidelines that are not in conflict with the Written Materials in effect at the time of installation.

For the purposes of this Limited Warranty, "**Owner**" is defined as the original end user of the property in which the Products are installed; and "**Tile Assembly**" is defined to include the Products, non-reusable tile surfaces, and applicable setting and grouting materials.

This Limited Warranty is only applicable to installations in the United States of America and Canada. Schluter-Systems is not responsible or liable under any circumstances for determining the suitability of the Products for the Owner's intended purpose. It is the responsibility of the Owner to consult with an experienced and professional installer to ensure the suitability of the Products, subfloor/substrate and all building materials in the installation and that the Written Materials are followed properly.

**RESOLUTION:** If the Products are installed and used in accordance with the terms and conditions as described hereinabove and such Products are proven defective within the applicable warranty term, the Owner's exclusive remedy and the sole obligation of Schluter-Systems, at its election, shall be to (a) reinstall or replace the failed portion of the Tile Assembly or (b) pay an amount not to exceed the original square foot cost of the installation of the Tile Assembly verified to be defective. Due to conditions beyond the control of Schluter-Systems (e.g., color and shade availability, discontinuation, normal wear and tear), Schluter-Systems cannot guarantee or warrant an exact match to the specific tile, stone, or other flooring materials used in the original installation. In such event, substantially similar materials may be substituted.

**EXCLUSIONS FROM COVERAGE:** This Limited Warranty excludes and in no event shall Schluter-Systems have any liability for any indirect, special, incidental, punitive, exemplary, or consequential damages, including lost profits, arising out of or otherwise connected to the failure of the Products or Tile Assembly, regardless of any strict liability or active or passive negligence of Schluter-Systems, and regardless of legal theory, whether in contract, tort, extra-contractual or other. This Limited Warranty further excludes any loss or damage arising out of or otherwise connected to: acts of war, terrorism, fire, explosion, natural disaster, acts of God, any failure to comply with the Written Materials, inadequate subfloor/substrate, improper preparation or other failure of subfloor/substrate, faulty or negligent penetration of the Products or subfloor/substrate, intentional acts of destruction, structural failure, misuse of or failure to maintain the Products, normal wear and tear, scratches, dents, corrosion or discoloration (whether caused by excessive heat, chemical cleaning products, abrasive agents or otherwise), efflorescence and shading which are a natural occurrence with cementitious materials and are not considered a defective condition for the purposes of this Limited Warranty, variations of texture, color or shade from those on product samples, packaging materials or other marketing materials, or other causes unrelated to the Products (e.g. tile covering failure, excess point loading, overvoltage). This Limited Warranty excludes applications utilizing glass tile or other non-approved tile surfaces, unless specifically approved in writing on a case by case basis by the Schluter-Systems Technical Services Director.

This Limited Warranty is conditioned and will be considered null and void and Schluter-Systems will have the right to refuse any claims if: (a) the Products have been improperly stored or installed, or (b) the Products are subject to abusive or abnormal use, lack of maintenance, or used in a manner other than that for which the Products were designed or in any way contrary to the Written Materials.

**DISCLAIMER:** There are no warranties beyond this expressed warranty as stated herein. To the extent permitted by law, all other warranties, representations or conditions, expressed or implied, are hereby disclaimed and excluded, including but not limited to the implied warranties of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE** (as limited to such purposes as described in the Written Materials) or arising from a course of dealing, usage of trade or otherwise by law. ANY IMPLIED WARRANTIES ARISING BY OPERATION OF LAW ARE LIMITED IN DURATION TO THE TERM OF THIS LIMITED WARRANTY. NO REPRESENTATION, PROMISE, AFFIRMATION OR STATEMENT BY ANY EMPLOYEE OR AGENT OF SCHLUTER-SYSTEMS WILL BE ENFORCEABLE AGAINST SCHLUTER-SYSTEMS UNLESS IT IS SPECIFICALLY INCLUDED IN THIS LIMITED WARRANTY OR AUTHORIZED IN WRITING BY THE SCHLUTER-SYSTEMS TECHNICAL SERVICES DIRECTOR. This Limited Warranty is given in lieu of any other warranty, whether expressed or implied. The remedies contained herein are the only remedies available for breach of this Limited Warranty. This Limited Warranty extends only to the Owner and is not transferable or assignable unless authorized by written agreement and signed by the Schluter-Systems Technical Services Director or otherwise prohibited by specific state or provincial law. This Limited Warranty gives you specific legal rights; some states and provinces do not allow disclaimers or other restrictions of implied warranties; some of the above disclaimers may not apply to you. No changes or modifications of any terms or conditions of this Limited Warranty are permitted unless duly authorized in writing by the Schluter-Systems Technical Services Director. This Limited Warranty shall supersede and replace any and all prior oral or written warranties, agreements, or other representations made by or on behalf of Schluter-Systems relative to the Products or the application of the Products and shall apply to any installation occurring on or after April 8, 2019. If the Products are used in conjunction with other Schluter-Systems products, a different Schluter-Systems warranty may apply. For the most current information and materials regarding Schluter-Systems warranties and programs, please visit [https://www.schluter.com/schluter-us/en\\_US/downloadfiles](https://www.schluter.com/schluter-us/en_US/downloadfiles).

**MAKING A CLAIM:** To make a claim under this Limited Warranty, the Owner must provide Schluter-Systems<sup>2</sup> with written notice within thirty (30) days of any alleged defect in the Products covered by this Limited Warranty, together with date and proof of purchase of such Products and/or all of its components and name and address of all installers and all invoices related to the original installation, failing which this Limited Warranty shall have no legal effect<sup>3</sup>. Schluter-Systems reserves the right at its election and as a condition of this Limited Warranty to inspect the alleged failed and/or defective Products.

All U.S. Claims shall be sent to:

Schluter Systems L.P.  
Attn: Warranty Claims Dept.  
194 Pleasant Ridge Road  
Plattsburgh, NY 12901-5841

All Canadian Claims shall be sent to:

Schluter Systems (Canada), Inc.  
Attn: Warranty Claims Dept.  
21100 chemin Ste-Marie  
Ste-Anne-de-Bellevue, QC H9X 3Y8

<sup>1</sup> If there are any conflicting terms between any Written Materials, the most recently updated document shall be deemed to control.

<sup>2</sup> This Limited Warranty is limited to sales of the Products made in and intended for use in the United States and Canada. For the purposes of this Limited Warranty, Schluter Systems L.P. shall offer warranty coverage to Owners located in the United States, and Schluter Systems (Canada) Inc. shall offer warranty coverage to Owners located in Canada.

<sup>3</sup> In the event that Owner fails to provide such required invoices relating to the original installation, Schluter-Systems shall pay Owner an amount equal to the average, reasonable costs of a comparable installation. If the parties fail to agree on such amount, such dispute shall promptly, and in the first instance, be submitted: (a) if a U.S. claim, to arbitration in Clinton County, New York, in accordance with the rules of the American Arbitration Association, or (b) if a Canadian claim, in the Province of Quebec, Canada, in accordance with the ADRC Arbitration Rules. Any outcome of such arbitration proceeding shall be final and binding upon the parties hereto.



Schluter Systems L.P. • 194 Pleasant Ridge Road, Plattsburgh, NY 12901-5841 • Tel.: 800-472-4588 • Fax: 800-477-9783  
Schluter Systems (Canada) Inc. • 21100 chemin Ste-Marie, Ste-Anne-de-Bellevue, QC H9X 3Y8 • Tel.: 800-667-8746 • Fax: 877-667-2410

[www.schluter.com](http://www.schluter.com)

This technical data sheet is subject to change without notice. Please visit [www.schluter.com](http://www.schluter.com) for the latest version.