

PROFILE OF INNOVATION



# Product Specifications Guide 2007



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This product specifications guide is intended to assist the design professional in specifying **Schluter® -Systems** products for ceramic and stone tile installation projects. Please consult **Schluter® -Systems'** technical literature and industry standard guidelines for design of the tile assembly and execution of the work.

For questions regarding application and function of our products, or to receive additional product information, please contact us at **1-800-472-4588 (USA)** or **1-800-667-8746 (Canada)**.

For individual assistance in updating master and project specifications to incorporate **Schluter® -Systems** products, please e-mail us at **specassist@schluter.com**.

This guide is also available for download at **www.schluter.com**.

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END OF SECTION

## SECTION 09 30 00

### TILING

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. Ceramic tile and dimension stone
- B. Edge-protection and transition profiles for floors
- C. Finishing and edge-protection profiles for walls and countertops
- D. Wall access panel system
- E. Finishing and edge-protection profiles for stair nosings
- F. Movement joint and cove-shaped profiles
- G. Modular screed system
- H. Uncoupling membrane
- I. Waterproofing Membrane
- J. Floor drain, with integrated bonding flange
- K. Shower waterproofing: prefabricated substrates, waterproofing membrane, floor drain with integrated bonding flange, and sealant
- L. Drainage membranes
- M. Finishing and edge-protection profiles and gutters for balconies and terraces
- N. Setting materials: adhesives, mortars, grouts, and sealants

##### 1.02 RELATED SECTIONS

- A. Section 03 00 00 – Concrete
- B. Section 05 55 00 - Stair Treads and Nosings
- C. Section 06 10 00 - Rough Carpentry: plywood subfloor and underlayment
- D. Section 07 90 00 - Joint Sealers
- E. Section 09 28 13 - Gypsum Board: gypsum board and tile backer boards
- F. Section 10 26 13 - Corner Guards
- G. Section 22 40 00 - Plumbing Fixtures: floor drains

- H. Section 23 83 00 - Radiant Heating Units: electric cables, electric mats, and hydronic piping

### 1.03 REFERENCES

*The following references pertain to Schluter®-Systems' products. Various other relevant standards and references can be found in the Tile Council of North America (TCNA) Handbook for Ceramic Tile Installation, Terrazzo, Tile and Marble Association of Canada (TTMAC) Specification Guide 09300 Tile Installation Manual, and American National Standard Specifications for the Installation of Ceramic Tile.*

- A. CSA B79-94: Floor, Area, and Shower Drains, and Cleanouts for Residential Construction
- B. IAPMO IGC 195: Interim Guide Criteria for Floor Drain with Integrated Bonding Flange
- C. Tile Council of North America (TCNA) Handbook for Ceramic Tile Installation
- D. Terrazzo, Tile and Marble Association of Canada (TTMAC) Specification Guide 09300 Tile Installation Manual
- E. American National Standard Specifications for the installation of ceramic tile A108 / A118 / A136.1

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

*Schluter®-Systems operates separate divisions between the United States and Canada. Choose based on project location.*

- A. Schluter Systems, L.P., 194 Pleasant Ridge Road, Plattsburgh, NY 12901-5841. Tel: (800) 472-4588. Fax (800) 477-9783. E-mail: info@schluter.com. Internet: www.schluter.com.
- A. Schluter Systems (Canada) Inc., 5626 Thimens Blvd., St Laurent, QC H4R 2K9. Tel: (800) 667-8746. Fax (514) 336-2410. E-mail: info@schluter.com. Internet: www.schluter.com.

*Include other approved manufacturers (tile, setting materials, etc.)*

### 2.02 TILE

*To be determined by design and service requirements of application(s).*

## 2.03 EDGE-PROTECTION AND TRANSITION PROFILES FOR FLOORS

*Ceramic and stone tile are brittle materials whose exposed edges are prone to cracking and chipping when left unprotected. Transitions between floor surfaces and at thresholds are particularly vulnerable to damage. Schluter®-Systems offers a variety of profiles to provide edge protection and transitioning at thresholds or between different surfaces, resulting in durable, maintenance-free tiled coverings.*

### A. Schluter®-SCHIENE

1. Description: L-shaped profile with 1/8 inch (3.2 mm) wide visible surface integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:
  - [EV4A - Stainless Steel Type 316 L = V4A]
  - [E - Stainless Steel Type 304 = V2A]
  - [M - Solid Brass]
  - [A - Aluminum]
  - [AE - Satin Anodized Aluminum]
  - [ACB - Bright Chrome Anodized Aluminum]
  - [ANIB - Bright Nickel Anodized Aluminum]
  - [AKB - Bright Copper/Bronze Anodized Aluminum]
  - [AMB - Bright Brass Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]

#### Notes:

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
3. *The anchoring leg of Schluter®-SCHIENE is also available with a special radius perforation so that the profile can conform to curved applications.*

### B. Schluter®-DECO

1. Description: profile with 1/4 inch (6 mm) wide visible surface and integrated trapezoid-perforated anchoring leg.
2. Material and Finish:
  - [E - Stainless Steel Type 304 = V2A]
  - [M - Solid Brass]
  - [MC - Chrome-plated Solid Brass]
  - [AE - Satin Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]

#### Notes:

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
3. *The anchoring leg of Schluter®-DECO is also available with a special radius perforation so that the profile can conform to curved applications. DECO in stainless steel is not available in radius format.*

C. Schluter®-RENO-T

1. Description: T-shaped profile with 1/16 inch (1 mm) thick beveled exposed surface and 11/32 inch (9 mm) tall integrated vertical anchoring leg.
2. Material and Finish:
  - [E - Stainless Steel Type 304 = V2A]
  - [EB - Brushed Stainless Steel Type 304 = V2A]
  - [M - Solid Brass]
  - [AE - Satin Anodized Aluminum]
  - [ANI - Satin Nickel Anodized Aluminum]
  - [AK - Satin Copper/Bronze Anodized Aluminum]
  - [AM - Satin Brass Anodized Aluminum]
3. Width: [ \_\_\_\_ ]

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*Notes:*

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile width according to joint width.*
  3. *RENO-T is used as a transition between hard surfaces.*
- 

D. Schluter®-RENO-TK

1. Description: profile with sloped exposed surface, 1/4 inch (6 mm) deep channel below exposed surface, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:
  - [E - Stainless Steel Type 304 = V2A]
  - [EB - Brushed Stainless Steel Type 304 = V2A]
  - [M - Solid Brass]
  - [AE - Satin Anodized Aluminum]
  - [ACB - Bright Chrome Anodized Aluminum]
  - [ANI - Satin Nickel Anodized Aluminum]
  - [AK - Satin Copper/Bronze Anodized Aluminum]
  - [AB - Antique Bronze Anodized Aluminum]
  - [AMB - Bright Brass Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  3. *The anchoring leg of Schluter®-RENO-TK, in solid brass and anodized aluminum, sizes 60, 80, and 100, is also available with a special radius perforation so that the profile can conform to curved applications.*
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E. Schluter®-RENO-U

1. Description: profile with sloped exposed surface, 5/32 inch (4 mm) tall leading edge, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:
  - [E - Stainless Steel Type 304 = V2A]
  - [EB - Brushed Stainless Steel Type 304 = V2A]
  - [M - Solid Brass]

- [AE - Satin Anodized Aluminum]
- [ACB - Bright Chrome Anodized Aluminum]
- [ANI - Satin Nickel Anodized Aluminum]
- [AK - Satin Copper/Bronze Anodized Aluminum]
- [AB - Antique Bronze Anodized Aluminum]
- [AM - Satin Brass Anodized Aluminum]
- [AMB - Bright Brass Anodized Aluminum]
- 3. Height: [ \_\_\_\_ ] or [Height as required]

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**Notes:**

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
- 

**F. Schluter®-RENO-RAMP**

1. Description: anodized aluminum profile with textured, sloped exposed surface, tapered leading edge, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:  
[AE - Satin Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]
4. Ramp Length: [ \_\_\_\_ ]

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**Notes:**

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
- 

**G. Schluter®-RENO-V**

1. Description: ball-and-socket hinged profile with sloped exposed surface, tapered leading edge, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:  
[M - Solid Brass]  
[AE - Satin Anodized Aluminum]  
[AM - Satin Brass Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]
4. Ramp Length: [ \_\_\_\_ ]

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**Notes:**

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  3. *Select ramp length according to desired slope.*
- 

## 2.04 FINISHING AND EDGE-PROTECTION PROFILES FOR WALLS AND COUNTERTOPS

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*Ceramic and stone tiles are durable, hygienic, heat resistant, and easy to maintain, representing the ideal surface covering for walls and countertops. However, lack of trim pieces such as bullnose or quarter round in many tile lines can limit designers' options. Schluter®-Systems offers various finishing and edge-protection profiles for walls and countertops that offer increased design flexibility because they can be integrated with any field tile to create a beautiful, durable installation.*  
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A. Schluter®-JOLLY

1. Description: L-shaped profile with 1/8 inch (3.2 mm) wide top section and 3/16 - 1/2 inch (4.5 - 12.5 mm) wide face, that form the visible surface, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:
  - [MC - Chrome-plated Solid Brass]
  - [ACG - Polished Chrome Anodized Aluminum]
  - [ACGB - Brushed Chrome Anodized Aluminum]
  - [ANI - Satin Nickel Anodized Aluminum]
  - [ANIG - Polished Nickel Anodized Aluminum]
  - [ANIGB - Brushed Nickel Anodized Aluminum]
  - [AK - Satin Copper/Bronze Anodized Aluminum]
  - [AKG - Polished Copper/Bronze Anodized Aluminum]
  - [AKGB - Brushed Copper/Bronze Anodized Aluminum]
  - [AB - Antique Bronze Anodized Aluminum]
  - [AM - Satin Brass Anodized Aluminum]
  - [AMG - Polished Brass Anodized Aluminum]
  - [AMGB - Brushed Brass Anodized Aluminum]
  - [AGSG - Bright Black Anodized Aluminum]
  - [AC - Color-coated Aluminum]
  - [P - PVC]Color (if AC or P chosen as material and finish):
  - [BW - Bright White]
  - [W - White]
  - [SP - Sand Pebble]
  - [BH - Bahama]
  - [HB - Light Beige]
  - [HG - Light Grey]
  - [PG - Classic Grey]
  - [G - Grey]
  - [GS - Black]
  - [FG - Forest Green]
  - [BU - Burgundy]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  3. *The anchoring leg of Schluter®-JOLLY, in metal materials, is also available with a special radius perforation so that the profile can conform to curved applications.*
  4. *Color-coated aluminum JOLLY not available in GS- Black color.*
-

## B. Schluter®-SCHIENE

1. Description: L-shaped profile with 1/8 inch (3.2) wide visible surface, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:
  - [EV4A - Stainless Steel Type 316 L = V4A]
  - [E - Stainless Steel Type 304 = V2A]
  - [M - Solid Brass]
  - [A - Aluminum]
  - [AE - Satin Anodized Aluminum]
  - [ACB - Bright Chrome Anodized Aluminum]
  - [ANIB - Bright Nickel Anodized Aluminum]
  - [AKB - Bright Copper/Bronze Anodized Aluminum]
  - [AMB - Bright Brass Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]

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### Notes:

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  3. *The anchoring leg of Schluter®-SCHIENE is also available with a special radius perforation so that the profile can conform to curved applications.*
- 

## C. Schluter®-QUADEC

1. Description: profile with square visible surface, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:
  - [E - Stainless Steel Type 304 = V2A]
  - [EB - Brushed Stainless Steel Type 304 = V2A]
  - [AE - Satin Anodized Aluminum]
  - [ANI - Satin Nickel Anodized Aluminum]
  - [AB - Antique Bronze Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]

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### Notes:

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  3. *Matching inside / outside corners and connectors are available for Schluter®-QUADEC.*
- 

## D. Schluter®-QUADEC-FS

1. Description: anodized aluminum, double-rail profile with 3/8 inch (10mm) - wide, square exposed surfaces separated by a 2 inch (51 mm) -wide recessed section with dovetail channel.
2. Material and Finish:
  - [AE - Satin Anodized Aluminum]
  - [ANI - Satin Nickel Anodized Aluminum]
  - [AB - Antique Bronze Anodized Aluminum]

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Notes:

1. Consult Schluter®-Systems' Illustrated Price List for availability.
  2. Matching inside / outside corners / end caps are available for Schluter®-QUADEC-FS.
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E. Schluter®-RONDEC

1. Description: bullnose-type profile with symmetrically rounded visible surface with 1/4 inch (6 mm) radius, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:
  - [EV4A - Stainless Steel Type 316 L = V4A]
  - [E - Stainless Steel Type 304 = V2A]
  - [EB - Brushed Stainless Steel Type 304 = V2A]
  - [M - Solid Brass]
  - [MC - Chrome-plated Solid Brass]
  - [AE - Satin Anodized Aluminum]
  - [ACG - Polished Chrome Anodized Aluminum]
  - [ACGB - Brushed Chrome Anodized Aluminum]
  - [ANI - Satin Nickel Anodized Aluminum]
  - [ANIG - Polished Nickel Anodized Aluminum]
  - [ANIGB - Brushed Nickel Anodized Aluminum]
  - [AK - Satin Copper/Bronze Anodized Aluminum]
  - [AKG - Polished Copper/Bronze Anodized Aluminum]
  - [AKGB - Brushed Copper/Bronze Anodized Aluminum]
  - [AM - Satin Brass Anodized Aluminum]
  - [AMG - Polished Brass Anodized Aluminum]
  - [AMGB - Brushed Brass Anodized Aluminum]
  - [AGR - Graphite Anodized Aluminum]
  - [AGSG - Bright Black Anodized Aluminum]
  - [AGSGB - Brushed Black Anodized Aluminum]
  - [AC - Color-coated Aluminum]
  - [PRO - PVC]Color (if AC or PRO chosen as material and finish):
  - [BW - Bright White]
  - [W - White]
  - [SP - Sand Pebble]
  - [BH - Bahama]
  - [HB - Light Beige]
  - [HG - Light Grey]
  - [PG - Classic Grey]
  - [G - Grey]
  - [GS - Black]
  - [FG - Forest Green]
  - [BU - Burgundy]
3. Height: [ \_\_\_\_ ] or [Height as required]

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Notes:

1. Select material and finish based on anticipated mechanical and/or chemical stresses.
  2. Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.
  3. Matching inside and outside corners and connectors are available for Schluter®-RONDEC.
  4. Color-coated aluminum RONDEC not available in GS- Black color.
-

F. Schluter®-ECK-E

1. Description: roll-formed stainless steel (type 304 = V2A) V-shaped profile with 1-15/32 inch (37 mm) wide exposed surfaces joined by a symmetrically rounded corner, with integrated trapezoid-perforated anchoring legs.
2. Material and Finish:  
[E - Stainless Steel Type 304 = V2A]  
[EV4A - Stainless Steel Type 316 L = V4A]  
[EB - Brushed Stainless Steel Type 304 = V2A]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select finish based on anticipated chemical stresses.*
  2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
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G. Schluter®-ECK-K

1. Description: roll-formed stainless steel (type 304 = V2A) V-shaped profile with 1-9/32 inch (32 mm) or 2 inch (50 mm) wide beveled exposed surfaces joined by a symmetrically rounded corner.
2. Material and Finish:  
[E - Stainless Steel Type 304 = V2A]  
[EV4A - Stainless Steel Type 316 L = V4A]  
[EB - Brushed Stainless Steel Type 304 = V2A]
3. Width: [ \_\_\_\_ ]

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*Notes:*

1. *Select finish based on anticipated chemical stresses.*
  2. *Select profile width according to aesthetics.*
- 

H. Schluter®-RONDEC-DB

1. Description: profile with symmetrically rounded 3/8 inch (10 mm) wide, 17/32 inch (14 mm) tall exposed surface, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:  
[AE - Satin Anodized Aluminum]  
[AK - Satin Copper/Bronze Anodized Aluminum]  
[AM - Satin Brass Anodized Aluminum]

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*Notes:*

1. *RONDEC-DB can be used with tiles 1/4 inch - 1/2 inch (6 mm - 12.5 mm) thick.*
- 

I. Schluter®-DESIGNLINE

1. Description: U-shaped profile with 1 inch (25 mm) wide exposed surface and 1/4 inch (6 mm) tall integrated vertical anchoring legs on each side.
2. Material and Finish:  
[E - Stainless Steel Type 304 = V2A]  
[EB - Brushed Stainless Steel Type 304 = V2A]

[MC - Chrome-plated Solid Brass]  
[AE - Satin Anodized Aluminum]  
[ACG - Polished Chrome Anodized Aluminum]  
[ACGB - Brushed Chrome Anodized Aluminum]  
[ANI - Satin Nickel Anodized Aluminum]  
[ANIG - Polished Nickel Anodized Aluminum]  
[ANIGB - Brushed Nickel Anodized Aluminum]  
[AK - Satin Copper/Bronze Anodized Aluminum]  
[AKG - Polished Copper/Bronze Anodized Aluminum]  
[AKGB - Brushed Copper/Bronze Anodized Aluminum]  
[AM - Satin Brass Anodized Aluminum]  
[AMG - Bright Brass Anodized Aluminum]  
[AMGB - Brushed Brass Anodized Aluminum]

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*Notes:*

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
- 

J. Schluter®-RONDEC-CT

1. Description: anodized aluminum, double-rail profile with symmetrically-rounded exposed surfaces with 1/4 inch (6 mm) radii separated by a 1-1/4 inch (31 mm) wide recessed section with dovetail channels, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:  
[AE - Satin Anodized Aluminum]  
[ACGB - Brushed Chrome Anodized Aluminum]  
[ANI - Satin Nickel Anodized Aluminum]  
[ANIGB - Brushed Nickel Anodized Aluminum]  
[AK - Satin Copper/Bronze Anodized Aluminum]  
[AKGB - Brushed Copper/Bronze Anodized Aluminum]  
[AM - Satin Brass Anodized Aluminum]  
[AMGB - Brushed Brass Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  2. *Matching inside and outside corners are available for Schluter®-RONDEC-CT.*
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K. Schluter®-RONDEC-STEP

1. Description: anodized aluminum profile with 1-3/8 inch (35 mm) or 2-1/4 inch (57 mm) flat exposed face, symmetrically-rounded exposed top surface with 1/4 inch (6 mm) radius, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:  
[AE - Satin Anodized Aluminum]  
[ACGB - Brushed Chrome Anodized Aluminum]  
[ANI - Satin Nickel Anodized Aluminum]  
[ANIGB - Brushed Nickel Anodized Aluminum]  
[AK - Satin Copper/Bronze Anodized Aluminum]  
[AKGB - Brushed Copper/Bronze Anodized Aluminum]

- [AM - Satin Brass Anodized Aluminum]  
[AMGB - Brushed Brass Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  2. *Matching inside and outside corners are available for Schluter®-RONDEC-STEP.*
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*The Schluter®-REMA wall access panel system is designed to allow access to electrical or plumbing components behind tiled walls without impairing the visual appearance of the tile covering.*

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**L. Schluter®-REMA**

1. Description: wall access panel system featuring aluminum brackets with molded casings containing magnets that are clamped to lateral, movable guide shoes, and ferromagnetic metal counterplates.

**2.05 FINISHING AND EDGE-PROTECTION PROFILES FOR STAIR NOSINGS**

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*Ceramic and stone tile are brittle materials whose exposed edges are prone to cracking and chipping when left unprotected. Tiled stair edges that do not utilize appropriate trim pieces are left vulnerable to chipping and breaking, and can create a slip hazard, especially in exterior applications. Schluter® stair-nosing profiles protect exposed tile edges and improve safety on tiled stairways by providing slip-resistant wear surfaces and increased visibility in both residential and commercial applications.*

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**A. Schluter®-TREP-E**

1. Description: roll-formed stainless steel (type 304 = V2A) profile with ribbed, 1-3/16 inch (30 mm) wide exposed surface with rounded leading edge, and integrated trapezoid-perforated anchoring leg.
2. Material and Finish:  
[E - Stainless Steel Type 304 = V2A]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  2. *Matching end caps are available for Schluter®-TREP-E.*
- 

**B. Schluter®-TREP-SE**

1. Description: Profile with replaceable, ribbed, 1-1/32 inch (26 mm) wide, thermoplastic rubber exposed surface with rounded leading edge, and roll-formed stainless steel type 304 = V2A support section with integrated trapezoid-perforated anchoring leg.
2. Tread Color:  
[HB - Light Beige]  
[NB - Nut Brown]

- [GS - Black]
- [G - Grey]
- [CG - Yellow]
- 3. Height: [ \_\_\_\_ ] or [Height as required]

Notes:

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
2. *Matching end caps and replacement thermoplastic rubber inserts are available for Schluter®-TREP-SE.*

C. Schluter®-TREP-S

1. Description: Profile with replaceable, ribbed, 1-1/32 inch (26 mm) wide, thermoplastic rubber exposed surface with rounded leading edge, and aluminum support section with integrated trapezoid-perforated anchoring leg.
2. Tread Color:
  - [HB - Light Beige]
  - [NB - Nut Brown]
  - [GS - Black]
  - [G - Grey]
  - [CG - Yellow]
3. Height: [ \_\_\_\_ ] or [Height as required]

Notes:

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
2. *Matching end caps and replacement thermoplastic rubber inserts are available for Schluter®-TREP-S.*

D. Schluter®-TREP-B

1. Description: Profile with replaceable, ribbed, 2-1/16 inch (52 mm) wide, thermoplastic rubber exposed surface with rounded leading edge, and aluminum support section with integrated trapezoid-perforated anchoring leg.
2. Tread Color:
  - [HB - Light Beige]
  - [NB - Nut Brown]
  - [GS - Black]
  - [G - Grey]
  - [CG - Yellow]
3. Height: [ \_\_\_\_ ] or [Height as required]

Notes:

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
2. *Matching end caps and replacement thermoplastic rubber inserts are available for Schluter®-TREP-B.*

E. Schluter®-TREP-FL

1. Description: roll-formed stainless steel (type 304 = V2A) profile, with 11/32 inch (9 mm) -wide, 13/16 inch (21 mm) -tall, exposed surface with rounded leading edge, and integrated trapezoid-perforated anchoring leg.
2. Material and Finish:  
[E - Stainless Steel Type 304 = V2A]  
[EB - Brushed Stainless Steel Type 304 = V2A]
3. Height: [ \_\_\_\_ ] or [Height as required]

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Notes:

1. Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.
  2. Matching end caps are available for Schluter®-TREP-FL.
- 

F. Schluter®-TREP-T

1. Description: profile with ribbed, 3/4 inch (19 mm) wide, soft PVC exposed surface with rounded leading edge, and rigid PVC support section with integrated trapezoid-perforated anchoring leg.
2. Tread Color:  
[HB - Light Beige]  
[NB - Nut Brown]  
[SB - Black Brown]  
[G - Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

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Notes:

1. Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.
  2. Matching end caps are available for Schluter®-TREP-T.
- 

G. Schluter®-TREP-MT

1. Description: profile with ribbed, 3/4 inch (19 mm) wide, soft PVC exposed surface with rounded leading edge and 3/16 inch (5 mm) wide brass inlay (centered on exposed surface), and rigid PVC support section with integrated trapezoid-perforated anchoring leg.
2. Tread Color:  
[HB - Light Beige]  
[NB - Nut Brown]  
[SB - Black Brown]  
[G - Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

---

Notes:

1. Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.
  2. Matching end caps are available for Schluter®-TREP-MT.
-

#### H. Schluter®-TREP-TL

1. Description: profile with ribbed, 3/4 inch (19 mm) wide, soft PVC exposed surface with rounded leading edge and 3/16 inch (5 mm) wide luminescent inlay (centered on exposed surface), and rigid PVC support section with integrated trapezoid-perforated anchoring leg.
2. Tread Color:  
[SB - Black Brown]  
[G - Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

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#### Notes:

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  2. *Matching end caps are available for Schluter®-TREP-TL.*
- 

#### I. Schluter®-RONDEC-STEP

1. Description: anodized aluminum profile with 1-3/8 inch (35 mm) or 2-1/4 inch (57 mm) flat exposed face, symmetrically-rounded exposed top surface with 1/4 inch (6 mm) radius, integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
2. Material and Finish:  
[AE - Satin Anodized Aluminum]  
[ACGB - Brushed Chrome Anodized Aluminum]  
[ANI - Satin Nickel Anodized Aluminum]  
[ANIGB - Brushed Nickel Anodized Aluminum]  
[AK - Satin Copper/Bronze Anodized Aluminum]  
[AKGB - Brushed Copper/Bronze Anodized Aluminum]  
[AM - Satin Brass Anodized Aluminum]  
[AMGB - Brushed Brass Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]

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#### Notes:

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  2. *Matching inside and outside corners are available for Schluter®-RONDEC-STEP.*
- 

## 2.06 MOVEMENT JOINTS AND COVE-SHAPED PROFILES

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*Movement joints are an integral part of any tile assembly. The various components of a tile assembly (tile, mortar, substrate, etc.) have unique physical characteristics that affect their behavior. Specifically, these components will expand and contract at different rates, according to each component's intrinsic physical properties, with changes in moisture, temperature, and loading. This differential expansion/contraction of components in a composite assembly results in internal stresses. Furthermore, structures that restrain overall expansion of the tile field (walls, columns, etc.) cause stress buildup within the system. If the aforementioned movements are not accommodated through the use of movement joints in the tile field and at restraining structures, the resulting stresses can cause cracking of the grout and tile and delamination of the tile from the substrate. Thus, movement joints are an essential component of any durable tile assembly.*

*Schluter®-Systems' prefabricated movement joint profiles accommodate movement and protect tile edges, resulting in a permanent, maintenance-free installation. The family of Schluter®-DILEX prefabricated movement joint profiles includes a variety of shapes, sizes, and materials to suit different applications.*

---

A. Schluter®-DILEX-BWS

1. Description: profile with integrated rigid, recycled PVC, trapezoid-perforated anchoring legs, connected by a 3/16 inch (5 mm) wide soft CPE movement zone that forms the visible surface.
2. Color:
  - [BW - Bright White]
  - [SP - Sand Pebble]
  - [HB - Light Beige]
  - [GS - Black]
  - [PG - Classic Grey]
  - [G - Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
- 

B. Schluter®-DILEX-BWB

1. Description: profile with integrated rigid, recycled PVC, trapezoid-perforated anchoring legs, connected by a 3/8 inch (10 mm) wide soft CPE movement zone that forms the visible surface.
2. Color:
  - [BW - Bright White]
  - [SP - Sand Pebble]
  - [HB - Light Beige]
  - [GS - Black]
  - [PG - Classic Grey]
  - [G - Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  2. *DILEX-BWB sizes 150 and 200 available in G - Grey only.*
- 

C. Schluter®-DILEX-AKWS

1. Description: profile with integrated aluminum, trapezoid-perforated anchoring legs, connected by grip bars to a 1/4 inch (6 mm) wide soft PVC movement zone, which together form the visible surface.
2. Movement Zone Color:
  - [SP - Sand Pebble]
  - [HB - Light Beige]
  - [GS - Black]
  - [PG - Classic Grey]
  - [G - Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

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Notes:

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
- 

D. Schluter®-DILEX-EDP

1. Description: stainless steel profile with integrated trapezoid-perforated anchoring legs connected by a 15/32 inch (12 mm) wide tongue-and-groove joint that forms the visible surface.
  2. Material and Finish:  
[E - Stainless Steel Type 304 = V2A]
  3. Height: [ \_\_\_\_ ] or [Height as required]
- 

Notes:

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
- 

E. Schluter®-DILEX-KSN

1. Description: profile with integrated trapezoid-perforated anchoring legs, connected by a 7/16 inch (11 mm) wide replaceable thermoplastic rubber movement zone, which together form the visible surface.
  2. Anchoring Legs Material:  
[E - Stainless Steel Type 304 = V2A]  
[EV4A - Stainless Steel Type 316 L = V4A]  
[M - Solid Brass]  
[A - Aluminum]
  3. Movement Zone Color:  
[SP - Sand Pebble]  
[HB - Light Beige]  
[GS - Black]  
[PG - Classic Grey]  
[G - Grey]
  4. Height: [ \_\_\_\_ ] or [Height as required]
- 

Notes:

1. *Select anchoring leg material based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile height according tile thickness, consult Schluter®-Systems Illustrated Price List for availability.*
  3. *Replacement thermoplastic rubber movement zone inserts are available for DILEX-KS.*
- 

F. Schluter®-DILEX-EKSB

1. Description: profile with integrated roll-formed stainless steel with trapezoid-perforated anchoring legs, connected by a 1/4 inch (6 mm) wide thermoplastic rubber movement zone, which together form the visible surface.
2. Anchoring Legs Material:  
[E - Stainless Steel Type 304 = V2A]  
[EV4A - Stainless Steel Type 316 L = V4A]
3. Movement Zone Color:  
[HB - Light Beige]

- [GS - Black]
- [PG - Classic Grey]
- [G - Grey]
- 4. Height: [ \_\_\_\_ ] or [Height as required]

---

*Notes:*

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
- 

**G. Schluter®-DILEX-KSBT**

1. Description: profile with integrated trapezoid-perforated anchoring legs, connected by a 3/4 inch (20 mm) or 1-3/16 inch (30 mm) wide replaceable thermoplastic rubber movement zone, which together form the visible surface.
2. Anchoring Leg Material:
  - [E - Stainless Steel Type 304 = V2A]
  - [M - Solid Brass]
  - [A - Aluminum]Movement Zone Color:
  - [HB - Light Beige]
  - [GS - Black]
  - [G - Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]
4. Width: [ \_\_\_\_ ]

---

*Notes:*

1. *Select anchoring leg material based on anticipated mechanical and/or chemical stresses.*
  2. *DILEX-KSBT in aluminum available in sizes 80, 100, 125, and 140 only.*
  3. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  4. *Select profile width according to structural movement joint width.*
  5. *Replacement thermoplastic rubber movement zone inserts are available for DILEX-KSBT.*
- 

**H. Schluter®-DILEX-EZ**

1. Description: Profile with textured, concave, rigid PVC side walls connected on top and bottom by 9/32 inch (7 mm) wide soft PVC movement zones that form the visible surface.
2. Color:
  - [M/G - Brass Inlay/Grey]
  - [C/CG - Chrome Inlay/Yellow]
  - [BW/L - Luminescent Inlay/Bright White]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
-

I. Schluter®-DILEX-BT

1. Description: profile with integrated trapezoid-perforated anchoring legs, connected by a 1-3/16 inch (30 mm) wide sliding telescopic center section with two interconnected ball-and-socket joints, which together form the visible surface.
2. Material and Finish:  
[M - Solid Brass]  
[AE - Satin Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]

---

Notes:

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
- 

J. Schluter®-DILEX-BT/O

1. Description: profile with integrated trapezoid-perforated anchoring legs, connected at a 90-degree angle by a 1-3/16 inch (30 mm) wide sliding telescopic center section with two interconnected ball-and-socket joints, which together form the visible surface.
2. Material and Finish:  
[M - Solid Brass]  
[AE - Satin Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]

---

Notes:

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
- 

K. Schluter®-DILEX-BTS

1. Description: profile with 3/8 inch (10 mm) tall integrated anchoring legs, connected by a 1-3/16 inch (30 mm) wide sliding telescopic center section with two interconnected ball-and-socket joints, which together form the visible surface.
2. Material and Finish:  
[M - Solid Brass]  
[A - Aluminum]  
[AE - Satin Anodized Aluminum]

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Notes:

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
- 

L. Schluter®-DILEX-MOP

1. Description: profile with serrated rigid, recycled PVC side sections connected by a soft PVC central movement zone, which form the 5/16 inch (8 mm) wide visible surface.
2. Height: [ \_\_\_\_ ] or [Height as required]

---

*Notes:*

1. *Select profile height according to mortar bed and tile thickness.*
- 

M. Schluter®-DILEX-MP

1. Description: profile with dovetailed, rigid, recycled PVC side sections overlapped and connected by a 5/16 inch (8 mm) wide soft CPE central movement zone that forms the visible surface.
2. Color:
  - [HB - Light Beige]
  - [ZR - Brick Red]
  - [GS - Black]
  - [G - Grey]

---

*Notes:*

1. *Select Schluter®-DILEX-MPV extension profiles if Schluter®-DILEX-MP does not provide sufficient height to accommodate mortar bed and tile thickness alone.*
- 

AND

N. Schluter®-DILEX-MPV

1. Description: profile extension for Schluter®-DILEX-MP with rigid, recycled PVC side sections and interlocking top and bottom cross-sections.
2. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select DILEX-MPV height, in conjunction with DILEX-MP, according to mortar bed and tile thickness.*
- 

O. Schluter®-DILEX-AS

1. Description: profile with integrated rigid PVC trapezoid-perforated anchoring leg and a sloped flexible joining leg, with self-adhesive tape on the underside, which forms the visible surface.
2. Color
  - [BW - Bright White]
  - [HB - Light Beige]
  - [PG - Classic Grey]
  - [G - Grey]

---

*Notes:*

1. *DILEX-AS is suitable for tiles 1/4 - 1/2 inch (6 - 12 mm) thick.*
  2. *Matching inside and outside corners and end caps are available for DILEX-AS.*
- 

P. Schluter®-DILEX-BWA

1. Description: profile with integrated rigid, recycled PVC trapezoid-perforated anchoring leg and dovetailed channel, which are connected by a 3/16 inch (5 mm) wide soft CPE movement zone that forms the visible surface, and a slit lower movement zone of soft CPE.

2. Color:  
[BW - Bright White]  
[HB - Light Beige]  
[GS - Black]  
[PG - Classic Grey]  
[G - Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
- 

**Q. Schluter®-DILEX-EKE**

1. Description: profile with integrated rigid, recycled PVC trapezoid-perforated anchoring legs, connected at a 90-degree angle by a 3/16 inch (5 mm) wide soft CPE movement zone that forms the visible surface.
2. Movement Zone Color:  
[BW - Bright White]  
[SP - Sand Pebble]  
[HB - Light Beige]  
[GS - Black]  
[PG - Classic Grey]  
[G - Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

---

*Notes:*

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
- 

**R. Schluter®-DILEX-HKW**

1. Description: profile with rigid, recycled PVC integrated trapezoid-perforated anchoring legs, connected at a 90-degree angle by a rigid PVC cove-shaped section with 11/16 inch (18 mm) radius that forms the visible surface.
2. Cove Section Color:  
[BW - Bright White]  
[HB - Light Beige]  
[PG - Classic Grey]  
[G - Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  2. *Matching inside and outside corners and end caps are available for DILEX-HKW (end caps available in grey only).*
-

#### S. Schluter®-DILEX-HK

1. Description: profile with integrated rigid, recycled PVC trapezoid-perforated anchoring legs, connected at a 90-degree angle by a soft CPE cove-shaped section with 11/16 inch (18 mm) radius that forms the visible surface.
2. Cove Section Color:  
[BW - Bright White]  
[HB - Light Beige]  
[G - Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

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#### Notes:

1. *Select profile height according to floor tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  2. *Select profile width according to base tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  3. *Matching inside and outside corners and end caps are available for DILEX-HK (end caps available in grey only).*
- 

#### T. Schluter®-DILEX-AHK

1. Description: anodized aluminum profile with integrated trapezoid-perforated anchoring legs, connected at a 90-degree angle by a cove-shaped section with 3/8 inch (10 mm) radius that forms the visible surface.
2. Material and Finish:  
[AE - Satin Anodized Aluminum]  
[ACG - Polished Chrome Anodized Aluminum]  
[ACGB - Brushed Chrome Anodized Aluminum]  
[ANI - Satin Nickel Anodized Aluminum]  
[ANIG - Polished Nickel Anodized Aluminum]  
[ANIGB - Brushed Nickel Anodized Aluminum]  
[AK - Satin Copper/Bronze Anodized Aluminum]  
[AKG - Polished Copper/Bronze Anodized Aluminum]  
[AKGB - Brushed Copper/Bronze Anodized Aluminum]  
[AM - Satin Brass Anodized Aluminum]  
[AMG - Polished Brass Anodized Aluminum]  
[AMGB - Brushed Brass Anodized Aluminum]
3. Height: [ \_\_\_\_ ] or [Height as required]

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#### Notes:

1. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  2. *Matching inside and outside corners and end caps are available for DILEX-AHK.*
- 

#### U. Schluter®-DILEX-EHK

1. Description: roll-formed stainless steel profile with integrated trapezoid-perforated anchoring legs, connected at a 90-degree angle by a cove-shaped section with 23/32 inch (18.5 mm) radius that forms the visible surface.
2. Material and Finish:  
[E - Stainless Steel Type 304 = V2A]  
[EV4A - Stainless Steel Type 316 L = V4A]

- [EB - Brushed Stainless Steel Type 304 = V2A]
3. Height: [ \_\_\_\_ ] or [Height as required]

Notes:

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
2. *Select profile height according to tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
3. *Matching inside and outside corners and end caps are available for DILEX-EHK (end caps available in grey PVC only).*
4. *DILEX-EHK size U16/O16 only available in stainless steel type 316 = V4A*

V. Schluter®-DILEX-HKS

1. Description: profile with integrated, roll-formed stainless steel with trapezoid-perforated anchoring legs, connected at a 90-degree angle by a stainless steel cove-shaped section with 23/32 inch (18.5 mm) radius and 1/2 inch (12.5 mm) wide thermoplastic rubber movement zone, which together form the visible surface.
2. Material and Finish:  
[E - Stainless Steel Type 304 = V2A]  
[EV4A - Stainless Steel Type 316 L = V4A]
3. Movement Zone Color:  
[HB - Light Beige]  
[GS - Black]  
[PG - Classic Grey]  
[G - Grey]
4. Height: [ \_\_\_\_ ] or [Height as required]
5. Width: [ \_\_\_\_ ]

Notes:

1. *Select profile height according to floor tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
2. *Select profile width according to base tile thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
3. *Matching inside and outside corners and end caps are available for DILEX-HKS (end caps available in grey PVC only).*

2.07 MODULAR SCREED SYSTEM

*Schluter®-BEKOTEC is a modular screed system that produces permanent flooring assemblies that are free from internal stresses. This allows for the installation of continuous screed surfaces without any saw cuts or control joints. Ceramic and stone tile is set over the screed using the thin-set method, in conjunction with the Schluter®-DITRA uncoupling membrane, while surface coverings not sensitive to cracking, such as parquet or carpet, can be installed directly over the screed as soon as the residual moisture has reached an appropriate level. The system is self-supporting, making it possible to place additional layers of heat and/or sound insulation to obtain the desired effect. The system is also designed to hold hydronic radiant heating tubes without fasteners.*

A. Schluter®-BEKOTEC

1. Description: 24 inch x 48 inch x 1-3/8 inch (610 mm x 1219 mm x 35 mm) expanded polystyrene panel, with 15/16 inch (24 mm) high integrated studs set in a grid pattern spaced 4-1/4 inch (108 mm) on center.

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Notes:

1. *Edge strips, edge boards, and movement joint strips are available.*
- 

## 2.08 UNCOUPLING MEMBRANE

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*Ceramic and stone tiles are durable, easy to maintain, and hygienic, representing the ideal surface coverings. However, today's lightweight construction methods can make the installation of hard surface coverings particularly challenging. In order to protect the integrity of the tile assembly, an underlayment that performs multiple functions is required.*

*Schluter®-DITRA is specifically designed to allow the installation of ceramic and stone tile over any even and load-bearing substrate. The integration of DITRA's uncoupling, waterproofing, load-distribution, and vapor management functions makes consistent results viable.*

---

A. Schluter®-DITRA

1. Description: 1/8 inch (3 mm) thick, orange, high-density polyethylene membrane with a grid structure of 1/2 inch x 1/2 inch (12 mm x 12 mm) square cavities, each cut back in a dovetail configuration, and a polypropylene anchoring fleece laminated to its underside. Conforms to definition for uncoupling membranes in the Tile Council of North America Handbook for Ceramic Tile Installation and is listed by cUPC® to meet or exceed the requirements of the "American national standard specifications for load bearing, bonded, waterproof membranes for thin-set ceramic tile and dimension stone installation A118.10."

## 2.09 WATERPROOFING MEMBRANE

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*Ceramic and stone tiles are durable, easy to maintain, and hygienic, representing ideal surface coverings in wet areas. However, since tiles and grout are not inherently waterproof, it is essential to protect the substrate (commonly moisture-sensitive) from moisture and vapor penetration. Schluter®-KERDI is a pliable, sheet-applied bonded waterproofing membrane that also protects against vapor intrusion in showers, tub surrounds, backsplashes, and wainscotings.*

---

A. Schluter®-KERDI

1. Description: 0.008 inch (0.2 mm) thick, orange polyethylene membrane, with polypropylene fleece laminated on both sides, which is listed by cUPC® to meet or exceed requirements of the "American national standard specifications for load bearing, bonded, waterproof membranes for thin-set ceramic tile and dimension stone installation A118.10."

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Notes:

1. *KERDI available in 0.004 inch (0.1 mm) thick, 5 inch (125 mm), 7-1/4 inch (185 mm), and 10 inch (250 mm) wide bands for seams and corners (Schluter®-KERDI-BAND).*
-

## 2.10 FLOOR DRAIN WITH INTEGRATED BONDING FLANGE

*The Schluter®-KERDI-DRAIN was designed specifically to ensure a simple and secure connection to bonded waterproof membranes, such as Schluter®-KERDI, at the top of the assembly rather than below it, thereby reducing the risk of leakage, efflorescence, and mold growth.*

### A. Schluter®-KERDI-DRAIN

1. Description: floor drain 11-25/32 inch (300 mm) diameter, trapezoid-perforated, integrated bonding flange with polypropylene fleece thermally laminated to the surface and hubbed connection to 2 inch (50 mm) drain pipe. Grate assembly includes 4 inch x 4 inch (102 mm x 102 mm) square grate, height adjustment collar, and lateral adjustment ring with trapezoid perforations. Drain listed by UPC® to meet requirements of “International Association of Plumbing and Mechanical Officials Interim Guide Criteria for Floor Drain with Integrated Bonding Flange” (IGC 195), listed by CSA to meet requirements of the Canadian Standards Association standard, “Floor, Area, and Shower Drains, and Cleanouts for Residential Construction” (CSA B79), and referenced in method B422 of the Tile Council of North America Handbook for Ceramic Tile Installation.
2. Drain Housing Material:  
[ABS]  
[PVC]
3. Grate Material and Finish:  
[E - Stainless Steel Type 304 = V2A]  
[ANIGB - Brushed Nickel Anodized Aluminum]  
[AKGB - Brushed Copper/Bronze Anodized Aluminum]  
[AMGB - Brushed Brass Anodized Aluminum]

#### Notes:

1. Select drain housing material according to drain pipe material.
2. Select grate material and finish based on anticipated mechanical and/or chemical stresses.

## 2.11 SHOWER WATERPROOFING SYSTEM

*The Schluter®-Systems shower assembly eliminates the risk of failures due to both vapor and water penetration, is maintenance-free, and dramatically reduces total installation time. The integrated Schluter® Shower System ensures success and makes shower installation easier than ever.*

### A. Schluter®-KERDI

1. Description: 0.008 inch (0.2 mm) thick, orange polyethylene membrane, with polypropylene fleece laminated on both sides, which is listed by cUPC® to meet or exceed requirements of the “American national standard specifications for load bearing, bonded, waterproof membranes for thin-set ceramic tile and dimension stone installation A118.10.”

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Notes:

1. *KERDI available in 0.004 inch (0.1 mm) thick, 5 inch (125 mm), 7-1/4 inch (185 mm), and 10 inch (250 mm) wide bands for seams and corners (Schluter®-KERDI-BAND).*
- 

B. Schluter®-KERDI-DRAIN

1. Description: floor drain 11-25/32 inch (300 mm) diameter, trapezoid-perforated, integrated bonding flange with polypropylene fleece thermally laminated to the surface and hubbed connection to 2 inch (50 mm) drain pipe. Grate assembly includes 4 inch x 4 inch (102 mm x 102 mm) square grate, height adjustment collar, and lateral adjustment ring with trapezoid perforations. Drain listed by UPC® to meet requirements of “International Association of Plumbing and Mechanical Officials Interim Guide Criteria for Floor Drain with Integrated Bonding Flange” (IGC 195), listed by CSA to meet requirements of the Canadian Standards Association standard, “Floor, Area, and Shower Drains, and Cleanouts for Residential Construction” (CSA B79), and referenced in method B422 of the Tile Council of North America Handbook for Ceramic Tile Installation.
2. Drain Housing Material:  
[ABS]  
[PVC]
3. Grate Material and Finish:  
[E - Stainless Steel Type 304 = V2A]  
[ANIGB - Brushed Nickel Anodized Aluminum]  
[AKGB - Brushed Copper/Bronze Anodized Aluminum]  
[AMGB - Brushed Brass Anodized Aluminum]

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Notes:

1. *Select drain housing material according to drain pipe material.*
  2. *Select grate material and finish based on anticipated mechanical and/or chemical stresses.*
- 

C. Schluter®-KERDI-SHOWER-ST

1. Description: trapezoid-imprinted, prefabricated, sloped tiled shower tray base, made of 2.75 lb/ft<sup>3</sup> (44 kg/m<sup>3</sup>) density, self-extinguishing (HF-1 rating per UL-94) expanded polystyrene, with 12-5/16 inch (313 mm) diameter removable recessed section with 1/8 inch (3 mm) wide ribs on top and channels on the underside.
2. Size:  
[ST-122 - 48 inch x 48 inch x 1-1/2 inch (1220 mm x 1220 mm x 38 mm)]  
[ST-81/152 - 32 inch x 60 inch x 1-3/4 inch (810 mm x 1520 mm x 44mm)]  
[ST-81/152 BR - 32 inch x 60 inch x 1-1/2 inch (810 mm x 1520 x 38 mm)]  
[ST-183 - 72 inch x 72 inch x 1-1/2 inch (1830 mm x 1830 mm x 38 mm)]

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Notes:

1. *The ST-81/152 BR features an off-set drain placement 10 inches from the outer edge. All other KERDI shower trays feature a center drain placement.*
-

D. Schluter®-KERDI-SHOWER-SC

1. Description: trapezoid-imprinted, prefabricated, tiled shower curb base, made of 2.75 lb/ft<sup>3</sup> (44 kg/m<sup>3</sup>) density, self-extinguishing (HF-1 rating per UL-94) expanded polystyrene. Curb dimensions are 48 inch x 6 inch x 4-1/2 inch (1220 mm x 150 mm x 115 mm).

E. Schluter®-KERDI-SHOWER-SR

1. Description: trapezoid-imprinted, prefabricated, tiled shower ramp base, made of 2.75 lb/ft<sup>3</sup> (44 kg/m<sup>3</sup>) density, self-extinguishing (HF-1 rating per UL-94) expanded polystyrene. Ramp dimensions are 48 inch x 15-7/8 inch (1220 mm x 40 mm) with slope from maximum thickness of 1-1/2 inch (38 mm) to minimum thickness of 1/4 inch (6 mm).

F. Schluter®-KERDI-FIX

1. Description: single-component, elastomeric, waterproof sealing and bonding compound with a silane-modified polymer base. Compound is free of solvents and odorless.
2. Color:  
[BW - Bright White]  
[G - Grey]

## 2.12 DRAINAGE MEMBRANES

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*Proper drainage is an essential feature of exterior tile assemblies where water is allowed to infiltrate a mortar setting bed. Water expands when it freezes and can exert great pressure and cause damage to its surroundings. Thus, any moisture that enters a setting bed must be allowed to leave the system quickly. Schluter® drainage membranes are designed to provide a simple and effective means to allow seepage water to exit the tile assembly quickly and avoid permanent saturation of the mortar bed.*  
-----

A. Schluter®-TROBA

1. Description: orange polyethylene sheet with 3/16 inch (4.4 mm) tall trapezoid-shaped perforated studs that form vault-like cavities.

B. Schluter®-TROBA-PLUS

1. Description: orange polyethylene sheet with 5/16 inch (8 mm) high, truncated cone-shaped studs, covered with a polypropylene water-permeable filter fabric.

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*Notes:*

1. *Schluter®-TROBA and Schluter®-TROBA-PLUS drainage membranes are to be installed over sloped waterproofing layers.*  
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## 2.13 FINISHING AND EDGE-PROTECTION PROFILES AND GUTTERS FOR BALCONIES AND TERRACES

-----  
*Ceramic and stone tiles are ideal surface coverings for the exterior and have been used successfully for thousands of years. Exterior balconies and terraces are ideal opportunities for the installation of tiled surfaces. The family of Schluter®-BARA/-BARIN products provides edge finishing and a gutter system for water management at the perimeter of the balcony or terrace.*  
-----

A. Schluter®-BARA-ESOT

1. Description: stainless steel type 304 = V2A, L-shaped profile with a trapezoid-perforated anchoring leg and 2-3/8 inch (60 mm) or 4-3/8 inch (110 mm) tall, circle-perforated vertical section.
2. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select profile height according to base tile height.*
- 

B. Schluter®-BARA-RW

1. Description: L-shaped profile with a 3-1/2 inch (90 mm) wide integrated trapezoid-perforated anchoring leg and 9/16 inch (15 mm) to 6 inch (150 mm) tall face that forms the visible surface.
2. Material and Finish:  
[E - Stainless Steel Type 304 = V2A]  
[AC - Color-coated Aluminum]  
Color (if AC chosen as material and finish):  
[BW - Bright White]  
[HB - Light Beige]  
[RB - Red Brown]  
[SB - Black Brown]  
[PG - Classic Grey]  
[GM - Metallic Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

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*Notes:*

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile height according to assembly thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  3. *The anchoring leg of BARA-RW is also available with a special radius perforation so that the profile can conform to curved applications.*
  4. *Matching outside corners and connectors are available for BARA-RW.*
- 

C. Schluter®-BARA-RWL

1. Description: L-shaped profile with a 3-1/2 inch (90 mm) wide integrated trapezoid-perforated anchoring leg and 9/16 inch (15 mm) to 6 inch (150 mm) tall face, with weep holes spaced at 2-15/16 inch (75 mm), that forms the visible surface.
2. Material and Finish:  
[E - Stainless Steel Type 304 = V2A]  
[AC - Color-coated Aluminum]  
Color (if AC chosen as material and finish):  
[BW - Bright White]  
[HB - Light Beige]  
[RB - Red Brown]  
[SB - Black Brown]  
[PG - Classic Grey]  
[GM - Metallic Grey]
3. Height: [ \_\_\_\_ ] or [Height as required]

---

*Notes:*

1. *Select material and finish based on anticipated mechanical and/or chemical stresses.*
  2. *Select profile height according to assembly thickness. Consult Schluter®-Systems' Illustrated Price List for availability.*
  3. *The anchoring leg of BARA-RWL is also available with a special radius perforation so that the profile can conform to curved applications.*
- 

D. Schluter®-BARA-RK

1. Description: color-coated aluminum, T-shaped profile with a 3-1/8 inch (80 mm) wide integrated trapezoid-perforated anchoring leg, 1-9/16 inch (40 mm) tall vertical section, and 1-1/16 inch (25 mm) tall drip lip with 3/4 inch (20 mm) offset. Total height of visible surface is 2-5/8 inch (65 mm).
2. Color:
  - [BW - Bright White]
  - [HB - Light Beige]
  - [RB - Red Brown]
  - [SB - Black Brown]
  - [PG - Classic Grey]
  - [GM - Metallic Grey]

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*Notes:*

1. *Matching inside and outside corners and connectors are available for BARA-RK.*
- 

E. Schluter®-BARA-RAK

1. Description: color-coated aluminum profile with a 3-1/8 inch (80 mm) wide integrated trapezoid-perforated anchoring leg, 2 inch (50 mm) tall vertical section, and 1-3/32 inch (28 mm) tall drip lip with 1-1/16 inch (27 mm) offset from the vertical section.
2. Color:
  - [BW - Bright White]
  - [HB - Light Beige]
  - [RB - Red Brown]
  - [SB - Black Brown]
  - [PG - Classic Grey]
  - [GM - Metallic Grey]

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*Notes:*

1. *Matching inside and outside corners and connectors are available for BARA-RAK.*
- 

F. Schluter®-BARA-RTK

1. Description: color-coated aluminum profile with a 3-11/32 inch (85 mm) wide integrated trapezoid-perforated anchoring leg, 2-1/2 inch (63 mm) tall vertical section, 1-1/4 inch (32 mm) tall drip lip with 1-1/32 inch (26 mm) offset from the vertical section, and 3/8 inch (10 mm) deep recessed groove for gutter attachment.
2. Color:
  - [BW - Bright White]
  - [HB - Light Beige]

- [RB - Red Brown]
- [SB - Black Brown]
- [PG - Classic Grey]
- [GM - Metallic Grey]

---

*Notes:*

1. *Matching inside and outside corners and connectors are available for BARA-RTK.*
- 

G. Schluter®-BARA-RTP

1. Description: color-coated aluminum profile with a 2-5/8 inch (65 mm) tall vertical section, 1-1/16 inch (27 mm) tall drip lip with 1-3/32 inch (28 mm) offset from the vertical section, and 5/16 inch (8 mm) deep recessed groove for gutter attachment.
2. Color:
  - [BW - Bright White]
  - [HB - Light Beige]
  - [RB - Red Brown]
  - [SB - Black Brown]
  - [PG - Classic Grey]

---

*Notes:*

1. *Matching inside and outside corners and connectors are available for BARA-RTP.*
- 

H. Schluter®-BARIN

1. Description: color-coated aluminum gutter with 3-15/16 inch (86 mm) wide, 1-9/16 inch (40 mm) radius trough and 1-3/16 inch (30 mm) tall anchoring slots spaced at 4 inch (102 mm) along the vertical section.
2. Color:
  - [BW - Bright White]
  - [HB - Light Beige]
  - [RB - Red Brown]
  - [SB - Black Brown]
  - [PG - Classic Grey]
  - [GM - Metallic Grey]

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*Notes:*

1. *BARIN is designed to integrate with BARA-RTK and BARA-RTP profiles.*
  2. *Matching inside and outside corners, end caps, down couplings, elbow and tee pipes, and spouts are available for BARIN.*
- 

## 2.14 SETTING MATERIALS

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*To be determined by installation method(s), environment(s), and associated materials (e.g., tile type, underlayments, etc.)*

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## PART 3 EXECUTION

### 3.01 APPLICATION

- A. Consult Schluter<sup>®</sup>-Systems' current technical literature for proper design and installation instructions.

END OF SECTION

# SAMPLE DOCUMENT

## SECTION 09 30 00

### TILING

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. Shower waterproofing: prefabricated substrates, waterproofing membrane, floor drain with integrated bonding flange, and sealant

##### 1.02 RELATED SECTIONS

- A. Section 06 10 00 - Rough Carpentry: plywood subfloor and underlayment
- B. Section 09 28 13 - Gypsum Board: gypsum board and tile backer boards
- C. Section 22 40 00 - Plumbing Fixtures: floor drains

##### 1.03 REFERENCES

- A. CSA B79-94: Floor, Area, and Shower Drains, and Cleanouts for Residential Construction
- B. IAPMO IGC 195: Interim Guide Criteria for Floor Drain with Integrated Bonding Flange
- C. Tile Council of North America (TCNA) Handbook for Ceramic Tile Installation
- D. American National Standard Specifications for the installation of ceramic tile A108 / A118 / A136.1

#### PART 2 PRODUCTS

##### 2.01 MANUFACTURERS

- A. Schluter Systems, L.P., 194 Pleasant Ridge Road, Plattsburgh, NY 12901-5841. Tel: (800) 472-4588. Fax (800) 477-9783. E-mail: info@schluter.com. Internet: www.schluter.com.

##### 2.02 TILE

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*To be determined by design and service requirements of application(s).*  
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##### 2.03 SHOWER WATERPROOFING SYSTEM

- A. Schluter®-KERDI
  - 1. Description: 0.008 inch (0.2 mm) thick, orange polyethylene membrane, with polypropylene fleece laminated on both sides, which is listed by cUPC® to meet or exceed requirements of the "American national

standard specifications for load bearing, bonded, waterproof membranes for thin-set ceramic tile and dimension stone installation A118.10.”

B. Schluter®-KERDI-DRAIN

1. Description: floor drain 11-25/32 inch (300 mm) diameter, trapezoid-perforated, integrated bonding flange with polypropylene fleece thermally laminated to the surface and hubbed connection to 2 inch (50 mm) drain pipe. Grate assembly includes 4 inch x 4 inch (102 mm x 102 mm) square grate, height adjustment collar, and lateral adjustment ring with trapezoid perforations. Drain listed by UPC® to meet requirements of “International Association of Plumbing and Mechanical Officials Interim Guide Criteria for Floor Drain with Integrated Bonding Flange” (IGC 195), listed by CSA to meet requirements of the Canadian Standards Association standard, “Floor, Area, and Shower Drains, and Cleanouts for Residential Construction” (CSA B79), and referenced in method B422 of the Tile Council of North America Handbook for Ceramic Tile Installation.
2. Drain Housing Material:  
[ABS]
3. Grate Material and Finish:  
[E - Stainless Steel Type 304 = V2A]

C. Schluter®-KERDI-SHOWER-ST

1. Description: trapezoid-imprinted, prefabricated, sloped tiled shower tray base, made of 2.75 lb/ft<sup>3</sup> (44 kg/m<sup>3</sup>) density, self-extinguishing (HF-1 rating per UL-94) expanded polystyrene, with 12-5/16 inch (313 mm) diameter removable recessed section with 1/8 inch (3 mm) wide ribs on top and channels on the underside.
2. Size:  
[ST-81/152 - 32 inch x 60 inch x 1-3/4 inch (810 mm x 1520 mm x 44mm)]

D. Schluter®-KERDI-SHOWER-SC

1. Description: trapezoid-imprinted, prefabricated, tiled shower curb base, made of 2.75 lb/ft<sup>3</sup> (44 kg/m<sup>3</sup>) density, self-extinguishing (HF-1 rating per UL-94) expanded polystyrene. Curb dimensions are 48 inch x 6 inch x 4-1/2 inch (1220 mm x 150 mm x 115 mm).

E. Schluter®-KERDI-FIX

1. Description: single-component, elastomeric, waterproof sealing and bonding compound with a silane-modified polymer base. Compound is free of solvents and odorless.
2. Color:  
[BW - Bright White]

2.04 SETTING MATERIALS

- A. Consult waterproofing membrane manufacturer for installation instructions - Schluter®-Systems: [www.schluter.com](http://www.schluter.com) or 1-800-472-4588.

PART 3 EXECUTION

3.01 APPLICATION

- A. Consult Schluter®-Systems' current technical literature for proper design and installation instructions.

END OF SECTION

# SAMPLE DOCUMENT

## SECTION 09 30 00

### TILING

#### PART 1 GENERAL

##### 1.01 SECTION INCLUDES

- A. Ceramic tile and dimension stone
- B. Edge-protection and transition profiles for floors

##### 1.02 RELATED SECTIONS

- A. Section 03 00 00 – Concrete

##### 1.03 REFERENCES

- A. Tile Council of North America (TCNA) Handbook for Ceramic Tile Installation
- B. American National Standard Specifications for the installation of ceramic tile A108 / A118 / A136.1

#### PART 2 PRODUCTS

##### 2.01 MANUFACTURERS

- A. Schluter Systems, L.P., 194 Pleasant Ridge Road, Plattsburgh, NY 12901-5841. Tel: (800) 472-4588. Fax (800) 477-9783. E-mail: info@schluter.com. Internet: www.schluter.com.

##### 2.02 TILE

-----  
*To be determined by design and service requirements of application(s).*  
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##### 2.03 EDGE-PROTECTION AND TRANSITION PROFILES FOR FLOORS

- A. Schluter®-SCHIENE
  1. Description: L-shaped profile with 1/8 inch (3.2 mm) wide visible surface integrated trapezoid-perforated anchoring leg, and integrated grout joint spacer.
  2. Material and Finish:  
[E - Stainless Steel Type 304 = V2A]
  3. Height: [ 3/8" ]

##### 2.04 SETTING MATERIALS

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*To be determined by installation method(s), environment(s), and associated materials (e.g., tile type, underlayments, etc.)*  
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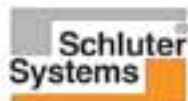
## PART 3 EXECUTION

### 3.01 APPLICATION

- A. Consult Schluter®-Systems' product datasheet 1.1 Schluter®-SCHIENE for installation instructions.

END OF SECTION





PROFILE OF INNOVATION

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