Schlüter Systems®

PROFILE OF INNOVATION

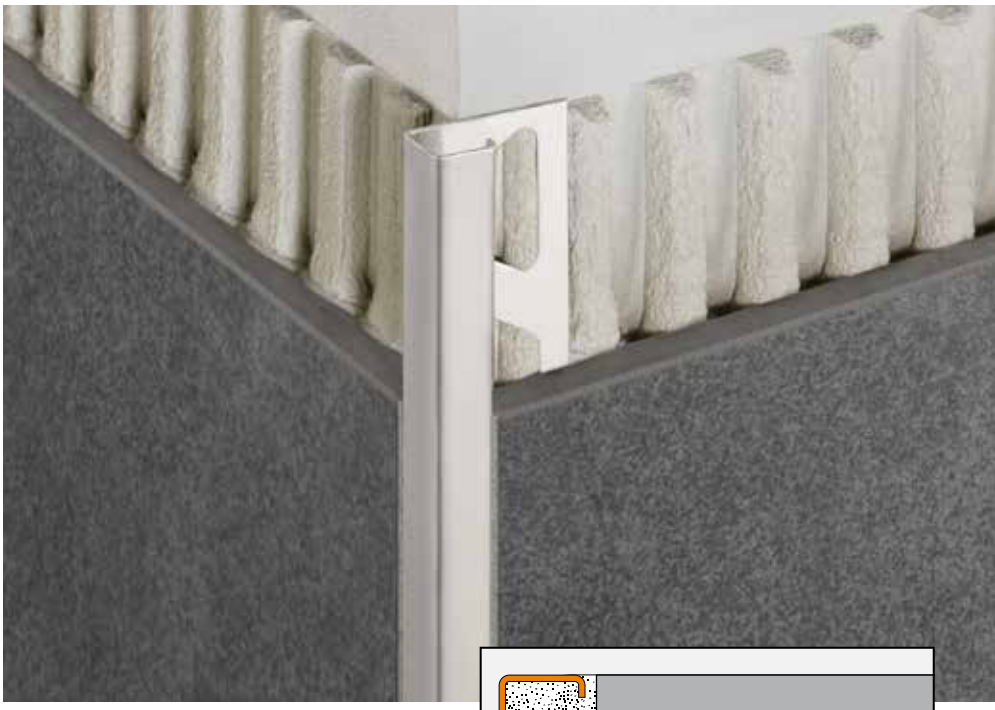
Schlüter®-QUADEC

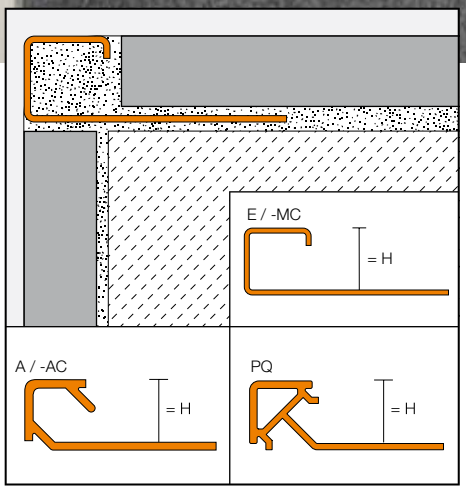
Wall corners and edge profiles
for decorative edge protection

2.10
Product data sheet

Application and function

Schlüter-QUADEC is a premium finishing profile that offers excellent edge protection for external corners of tiled walls. The visible area of the profile forms a right angled external corner for tile coverings.
The integrated joint spacer of the aluminium profiles forms a defined joint cavity with the tile.
The profiles are available in different materials, colours and surface finishes to coordinate with tile and grout, fixtures and fittings or to create interesting accents in decorative design. Schlüter-QUADEC-E and -A are designed to match the border profiles Schlüter-QUADEC-FS or Schlüter-DESIGNLINE.
In addition to their decorative effect, the profiles also protect tiles in the edge area from mechanical and impact stresses.
Schlüter-QUADEC in stainless steel is particularly resistant to wear when used as edge protection; it may also be used as a transition profile, decorative insert or stair nosing.
In addition, Schlüter-QUADEC is suitable for transitions, corners or skirtings with other covering materials such as carpet, parquet, natural stone or epoxy resin finishes.
QUADEC profiles also come with matching internal and external corners for elegant connections. Connectors and end caps are available for select materials as well.



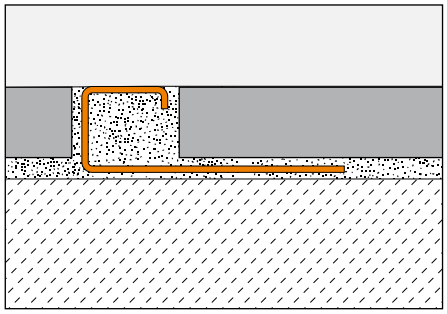


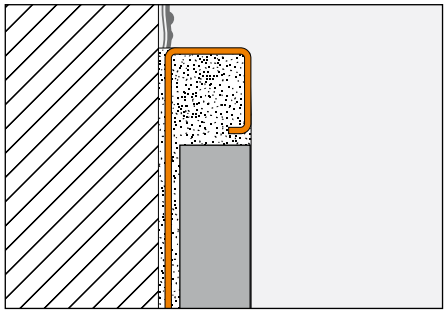
Material

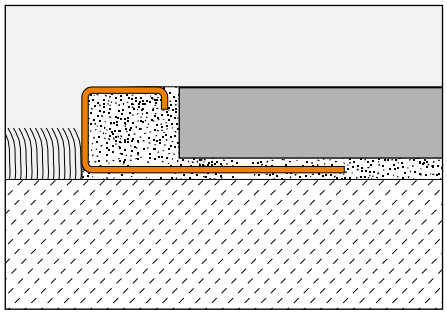
Schlüter-QUADEC is available in the following materials:

E = stainless steel
V2A, material no. 1.4301 = AISI 304
V4A, material no. 1.4404 = AISI 316L
EB = brushed stainless steel
EP = polished stainless steel

MC = chrome-plated brass
AE = anodised aluminium
AT = satin titanium anodised aluminium
ACG = polished chrome anodised aluminium
ACGB = brushed chrome anodised aluminium
ATG = polished titanium anodised aluminium
ATGB = brushed titanium anodised aluminium
AEX = cross brushed satin anodised aluminium
AMX = cross brushed satin brass anodised aluminium
ATX = cross brushed satin titanium anodised aluminium
AQGX = cross brushed quartz grey anodised aluminium







TS = textured finished aluminium
AC = colour coated aluminium
PQ = coloured PVC

Material properties and areas of application:

Schlüter-QUADEC is available in a wide variety of materials and finishes.
In applications exposed to chemical or mechanical stresses, the profile's suitability must be verified.
The information provided below is intended as a general guideline.
Schlüter-QUADEC-MC (chrome plated solid brass) is a finishing profile that is especially well suited for wall corners and transitions. It is ideal for matching chrome fixtures. Surface areas must be protected against abrasion or scratching. Remove mortar and grout residue immediately.
Schlüter-QUADEC-E is made of roll formed V2A (material no. 1.4301) or V4A (material no. 1.4404) stainless steel. Schlüter-QUADEC-E is highly durable and especially suited for application areas that must be resistant to chemicals and acids, such as the food industry, breweries, dairies, industrial kitchens, and hospitals as well as residential spaces. Depending on the anticipated chemical stresses, customers can choose between the alloy materials 1.4301 (V2A) or 1.4404 (V4A). The use of V4A is recommended if consistent exposure is expected, for example in the case of swimming pools (fresh water).
Even stainless steel of quality 1.4404 is not resistant to all chemical stresses such as hydrochloric and hydrofluoric acid or certain chloride and brine concentrations.
In certain cases, this also applies to seawater pools. Special anticipated stresses should therefore always be verified in advance.
Schlüter-QUADEC-AE / -ACG / -ACGB / -AEX / -AMX / -ATX / -AQGX / -AT / -ATG / -ATGB (anodised aluminium): The aluminium features an anodised surface layer that retains a uniform appearance during normal use.
Visible edges should be protected against abrasion. Aluminium is sensitive to alkaline media. Cementitious materials, in conjunction with moisture, become alkaline, which may result in corrosion depending on the concentration and length of exposure (aluminium hydroxide formation).
Remove adhesive or grout immediately from visible areas and don't cover freshly installed assemblies with foil. In addition, ensure that the profile is solidly embedded in the setting material to prevent water from accumulating in small cavities.
Schlüter-QUADEC-AC (colour coated aluminium): The aluminium is pre-treated (chrome-plated) and powder-coated with a polyurethane covering. The coating is colour-stable, as well as UV- and weather-resistant. Visible edges should be protected against abrasion. The surfaces of QUADEC-TS profiles (textured aluminium) have a natural appearance (see QUADEC-AC for further properties).
Schlüter-QUADEC-PQ (coloured PVC) is made of pre-coloured, rigid PVC which resists bending or scratching. The material is UV resistant, although it is not permanently colour stable in exterior applications. The profiles are not suited for corners or transitions subjected to heavy mechanical stresses, e.g. at step edges or floor transitions.

Note: Due to different manufacturing processes, slight colour discrepancies between the profiles and the corners may occur.

Installation

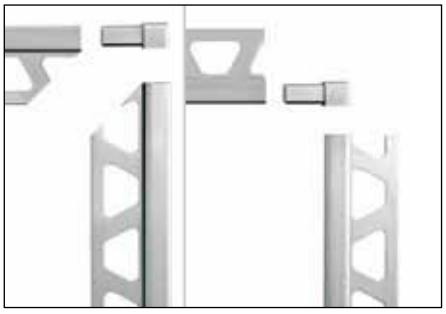
1. Select Schlüter-QUADEC according to tile thickness.
2. Apply tile adhesive to the area where the tile covering will end, using a notched trowel. If QUADEC is to be installed in an exterior wall corner, complete the tiling of one wall, then apply tile adhesive in the corner area of the second wall.
3. Press the perforated anchoring leg of Schlüter-QUADEC firmly into the adhesive and align it.
4. Trowel additional adhesive over the perforated anchoring leg to ensure full coverage and fill the profile chamber with tile adhesive.
5. Solidly embed adjacent tiles and adjust flush with the profile's upper edge. Full coverage must be obtained between the tile and the profile's anchoring leg.
6. The tile is set to the lateral joint spacer, which creates an evenly spaced joint of 1.5 mm. In the case of stainless steel or brass profiles, a joint of approx. 1.5 mm is recommended. Fill the joint completely with grout.
7. Use suitable materials and tools for the sensitive surfaces to avoid scratches or other damage. Setting materials must be removed immediately, especially on aluminium.
8. Matching preformed inside and outside corner pieces are available.

Notes

Schlüter-QUADEC requires no special maintenance or care. Do not use abrasive cleaning agents on the sensitive surfaces. Damage to the anodised surfaces can be restored with paint. The surfaces of stainless steel profiles can be polished with commercial chrome-polishing products.
Stainless steel surfaces exposed to the environment or aggressive substances should be cleaned periodically using a mild household cleaner. Regular cleaning maintains the neat appearance of stainless steel and reduces the risk of corrosion. All cleaning agents must be free of hydrochloric and hydrofluoric acid.
Avoid contact with other metals such as steel, which can cause rust. This also includes tools such as trowels or steel wool, i.e. tools used to remove mortar residue. We recommend the use of the stainless steel cleaning polish Schlüter-CLEAN-CP.

Product overview:

Schlüter®-QUADEC-A - anodised finish



Schlüter®-QUADEC external and internal corners

Schlüter®-QUADEC-A anodised

AE = anodised aluminium / ACG = polished chrome anodised aluminium / ACGB = brushed chrome anodised aluminium / AT = aluminium/titanium / ATG = polished titanium anodised aluminium / ATGB = brushed titanium anodised aluminium / AEX = cross brushed satin anodised aluminium / AMX = cross brushed satin brass anodised aluminium / ATX = cross brushed satin titanium anodised aluminium / AQGX = cross brushed quartz grey anodised aluminium

Supplied length: 2.50 m

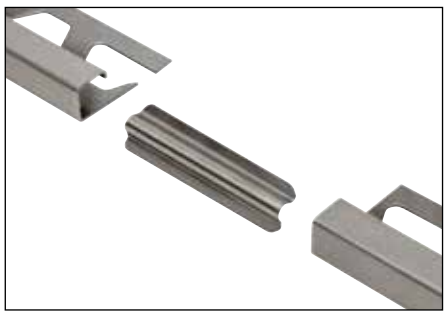
H = mm	4.5	6	7	8	9	10	11	12.5	14	15
AE	•	•		•		•	•	•		
ACG	•	•		•		•	•	•		
ACGB	•	•		•		•	•	•		
AT	•	•		•		•	•	•		
ATG	•	•		•		•	•	•		
ATGB	•	•		•		•	•	•		
AEX		•		•		•	•	•		
AMX		•		•		•	•	•		
ATX		•		•		•	•	•		
AQGX		•		•		•	•	•		
External corner	•	•		•		•	•	•		
Internal corner	•	•		•		•	•	•		
Connector		•		•		•	•	•		

Schlüter®-QUADEC-A anodised

AE = anodised aluminium / ACG = polished chrome anodised aluminium

Supplied length: 3.00 m

H = mm	4.5	6	7	8	9	10	11	12.5	14	15
AE		•		•		•	•	•		
ACG		•		•		•	•	•		
External corner	•	•		•		•	•	•		
Internal corner	•	•		•		•	•	•		
Connector		•		•		•	•	•		



Schlüter®-RONDEC-E/V
(connector for RONDEC and QUADEC stainless steel profiles)

Schlüter®-QUADEC-EB/EK
(Brushed stainless steel end cap for QUADEC-E and -EB)

Schlüter®-QUADEC-E

E = stainless steel / EB = brushed stainless steel / EP = polished stainless steel

Supplied length: 2.50 m

H = mm	4.5	6	7	8	9	10	11	12.5	14	15
E	•	•	•	•	•	•	•	•	•	•
EB		•	•	•	•	•	•	•	•	•
EP		•		•		•		•		•
V4A		•		•		•		•		
External corner	•	•	•	•	•	•	•	•	•	•
Internal corner	•	•	•	•	•	•	•	•	•	•
Connector		•		•		•	•	•		
End cap EB*		•	•	•	•	•	•	•	•	•

* Suitable for Schlüter-QUADEC-E and -EP.

Schlüter®-QUADEC-E

E = stainless steel / EB = brushed stainless steel

Supplied length: 3.00 m

H = mm	4.5	6	7	8	9	10	11	12.5	14	15
E		•	•	•	•	•	•	•	•	•
EB		•		•		•	•	•		•
External corner	•	•	•	•	•	•	•	•	•	•
Internal corner	•	•	•	•	•	•	•	•	•	•
Connector		•		•		•	•	•		
End cap EB*		•	•	•	•	•	•	•	•	•

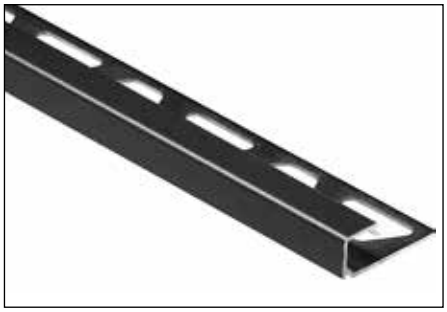
Schlüter®-QUADEC-AC

AC = colour coated aluminium

Supplied length: 2.50 m

H = mm	4.5	6	8	10	11	12.5
BW	•	•	•	•	•	•
GS		•	•	•	•	•
G	•					
PG	•	•	•	•	•	•
PW	•					
QG	•	•	•	•	•	•
VG	•	•	•	•	•	•
W	•	•	•	•	•	•
MBW	•	•	•	•	•	•
MGS	•	•	•	•	•	•
External corner	•	•	•	•	•	•
Internal corner*	•	•	•	•	•	•
Connector		•	•	•	•	•

* MBW and MGS only



Schlüter®-QUADEC-AC in MGS

Schlüter®-QUADEC-AC in MBW

Schlüter®-QUADEC-AC

AC = colour coated aluminium

Supplied length: 3.00 m

H = mm	4.5	6	8	10	11	12.5
BW		•	•	•	•	•
GS		•	•	•	•	•
PG		•	•	•	•	•
QG		•	•	•	•	•
VG		•	•	•	•	•
W		•	•	•	•	•
MBW		•	•	•	•	•
MGS		•	•	•	•	•
External corner	•	•	•	•	•	•
Internal corner*	•	•	•	•	•	•
Connector		•	•	•	•	•

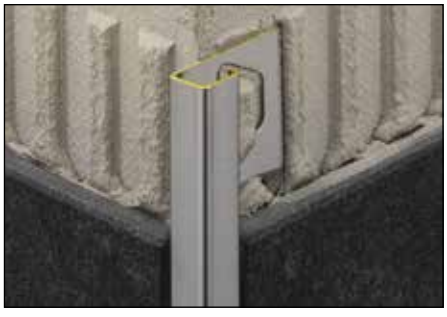
* MBW and MGS only

Schlüter®-QUADEC-MC

MC = chrome plated brass

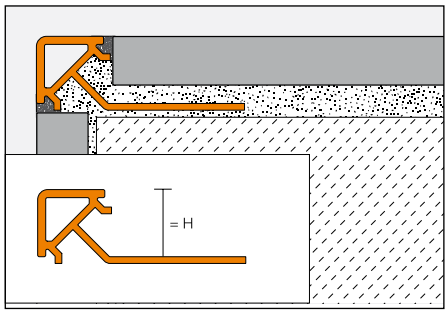
Supplied length: 2.50 m

H = mm	6	8	10	11	12.5	15
MC	•	•	•	•	•	•
External corner	•	•	•	•	•	•
Internal corner	•	•	•	•	•	•



Schlüter®-QUADEC-MC

Schlüter®-QUADEC-PQ in GS



Schlüter®-QUADEC-PQ

Schlüter®-QUADEC-PQ

PQ = coloured PVC

Supplied length: 2.50 m

H = mm	6	8	10	11	12.5
BH	•	•	•	•	•
BW	•	•	•	•	•
GS	•	•	•	•	•
PG	•	•	•	•	•
SP	•	•	•	•	•
W	•	•	•	•	•
External corner	•	•	•	•	•

Schlüter®-QUADEC-TS

TS = textured finished aluminium

Supplied length: 2.50 m

H = mm	4.5	6	8	10	11	12.5
TSI	•	•	•	•	•	•
TSC	•	•	•	•	•	•
TSBG	•	•	•	•	•	•
TSB	•	•	•	•	•	•
TSSG	•	•	•	•	•	•
TSG	•	•	•	•	•	•
TSOB	•	•	•	•	•	•
TSLA	•	•	•	•	•	•
TSDA	•	•	•	•	•	•
TSR	•	•	•	•	•	•
External corner	•	•	•	•	•	•
Internal corner	•	•	•	•	•	•
Connector		•	•	•	•	•

Schlüter®-TRENDLINE

Schlüter®-QUADEC-TS (TSOB)

Schlüter®-QUADEC-TS

TS = textured finish aluminium

Supplied length: 3.00 m

H = mm	6	8	10	11	12.5
TSI	•	•	•	•	•
TSC	•	•	•	•	•
TSBG	•	•	•	•	•
TSB	•	•	•	•	•
TSSG	•	•	•	•	•
TSG	•	•	•	•	•
TSOB	•	•	•	•	•
TSLA	•	•	•	•	•
TSDA	•	•	•	•	•
TSR	•	•	•	•	•
External corner	•	•	•	•	•
Internal corner	•	•	•	•	•
Connector	•	•	•	•	•

Colours:

BH	= bahama
BW	= brilliant white
G	= grey
GS	= graphite black
QG	= quartz grey
PG	= pastel grey
PW	= pearl white
SP	= soft peach
VG	= traffic grey
W	= white
MBW	= matt brilliant white
MGS	= matt graphite black
TSI	= aluminium, textured natural ivory
TSC	= aluminium, textured natural cream
TSBG	= aluminium, textured natural beige grey
TSB	= aluminium, textured natural beige
TSSG	= aluminium, textured natural stone grey
TSG	= aluminium, textured natural grey
TSOB	= textured natural bronze
TSLA	= aluminium, textured natural light anthracite
TSDA	= aluminium, textured natural dark anthracite
TSR	= aluminium, textured natural rustic brown

Text template for tenders:

_____linear metres of Schlüter-QUADEC as an edge protection or corner profile with trapezoid perforated anchoring legs and a right angled visible surface, to be supplied and professionally installed.

The installation of preformed parts such as inside and outside corners

- ■ is to be included in the unit prices.
- ■ invoiced separately.

The manufacturer's specifications must be observed.

Material:

- ■ - E = stainless steel, 1.4301 (V2A)
- ■ - EV4A = stainless steel, 1.4404 (V4A)
- ■ - EB = brushed stainless steel 1.4301 (V2A)
- ■ - EP = polished stainless steel
- ■ - MC = chrome plated solid brass
- ■ - AE = anodised aluminium
- ■ - AT = satin titanium anodised aluminium
- ■ - ACG = polished chrome anodised aluminium
- ■ - ACGB = brushed chrome anodised aluminium
- ■ - ATG = polished titanium anodised aluminium
- ■ - ATGB = brushed titanium anodised aluminium
- ■ - AEX = cross brushed satin anodised aluminium
- ■ - AMX = cross brushed satin brass anodised aluminium
- ■ - ATX = cross brushed satin titanium anodised aluminium
- ■ - AQGX = cross brushed quartz grey anodised aluminium
- ■ - TS = textured coated aluminium
- ■ - AC = colour coated aluminium
- ■ - PQ = coloured PVC

Profile height: _____ mm
Colour: _____
Art.-No.: _____
Material: _____...../m
Labour: _____...../m
Total: _____...../m

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