

Schlüter®-RONDEC

Wall corners & transitions
for decorative edge protection

2.1

Product data sheet

Application and Function

Schlüter®-RONDEC is a finishing and edge protection profile for the external corners of tiled surfaces. It forms a symmetrically rounded outer corner along the surface edge. The integrated joint spacer 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®-RONDEC-E and -A (anodised) can be used with the matching Schlüter®-DESIGNLINE to create decorative borders. In addition to the profile's decorative effect, the tiles are protected against damage caused by mechanical stresses within the edge area. Schlüter®-RONDEC in stainless steel is particularly resistant to wear when used as edge protection; it may also be used as stair nosing or as a transition profile.

In addition Schlüter®-RONDEC is suitable for transitions, corners or dado coverings with other covering materials e.g. carpet, parquet, natural stone tiles or epoxy resin finishes.

Schlüter®-RONDEC also comes with matching internal and external corners for elegant connections.

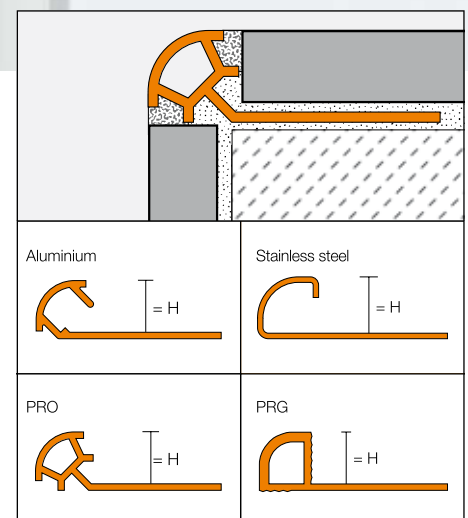
Material

Schlüter®-RONDEC is available in the following materials:

- MC = Chrome plated brass
- E = Stainless steel 1.4301 (V2A)
- EP = Polished stainless steel
- EB = Brushed stainless steel
- EV4A = Stainless steel 1.4404 (V4A)
- AE = Anodised aluminium



- ACG = Polished chrome anodised aluminium
- ACGB = Brushed chrome anodised aluminium
- AM = Satin brass anodised aluminium
- AMG = Polished brass anodised aluminium
- AMGB = Brushed brass anodised aluminium
- AK = Satin copper/bronze anodised aluminium
- AKG = Polished copper/bronze anodised aluminium
- AKGB = Brushed copper/bronze anodised aluminium
- AT = Satin titanium anodised aluminium
- ATG = Polished titanium anodised aluminium





- ATGB = Brushed titanium anodised aluminium
- AGSB = Brushed graphite black aluminium
- AC = Colour coated aluminium
- TS = Tuscan textured aluminium
- PRO = Coloured PVC
- PRG = Coloured PVC (No grout spacer)

Material properties and areas of application:

Schlüter®-RONDEC comes in a range of materials and surface finishes. In applications exposed to chemical or mechanical stresses, the profile's suitability must be verified. The following only provides general information.

Schlüter®-RONDEC-MC (chromium plated solid brass) is suitable for wall corners and as a finishing profile. It is ideal for matching chrome fixtures. Surface areas must be protected against abrasion or scratching. Remove mortar and grout residue immediately.

Schlüter®-RONDEC-E (stainless steel, 1.4301 (V2A) or 1.4404 (V4A)) is suitable for applications requiring resistance against chemical exposure and high mechanical loadings. Application areas include industrial food production facilities such as breweries, dairies, industrial kitchens, and hospitals as well as residential spaces. The use of V4A is recommended if consistent exposure is expected, for example in the case of swimming pools (fresh water).

Even stainless steel is not resistant to all chemical stresses, and may be affected by hydrochloric and hydrofluoric acid or certain chloride and brine concentrations. Special anticipated stresses should therefore be verified in advance. Depending on the anticipated chemical stresses, customers can choose between the alloy materials 1.4301 or 1.4404.

Schlüter®-RONDEC-AE / -ACG / -ACGB / -AM / -AMG / -AMGB / -AK / -AKG / -AKGB / -AT / -ATG / -ATGB (anodised aluminium): The aluminium features an anodised surface that does not alter during normal use. Surface areas must be protected against abrasion or scratching. Cementitious materials, in conjunction with moisture, become alkaline. Since aluminium is sensitive to alkaline substances, exposure to the alkali (depending on the concentration and penetration time) may result in corrosion (aluminium hydroxide formation). Therefore, it is important to remove adhesive or grout

residue from visible surfaces. Solidly embed the profile solidly in the setting material and that all cavities are filled to prevent the collection of alkaline water.

Schlüter®-RONDEC-AC (colour coated aluminium): The aluminium is pretreated (chromated), then colour coated with a polyurethane powder coat. The coating is colour stable, UV resistant and suitable for exterior use. Protect the profile against abrasion or scratching.

Schlüter®-RONDEC-TS (tuscan textured aluminium): The aluminum is coated with metal dust, colour coated and sealed. The coating is colour stable. Visible edges should be protected against abrasion.

The surfaces of Schlüter®-RONDEC-TS profiles have a natural appearance. Variations in colour and texture are intentional.

Schlüter®-RONDEC-PRO / -PRG (coloured PVC) are made of pre coloured, rigid PVC which resists bending or scratching. The material is UV resistant, though not permanently colour stable, in exterior applications. The profiles are not suited for corners or transitions subjected to heavy mechanical loadings, 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®-RONDEC according to tile thickness.
2. Trowel tile adhesive over the area that forms the perimeter of the tiled covering. If Schlüter®-RONDEC is used at outer wall corners, finish tiling one wall first; then apply tile adhesive to the corner area of the second wall.
3. Press the perforated anchoring leg of the Schlüter®-RONDEC into the tile adhesive and align.
4. Trowel additional adhesive over the perforated anchoring leg to ensure full coverage and fill the cavity with tile adhesive.
5. Solidly embed adjacent tiles and adjust flush with the profile's upper edge.
6. The tile is set to the lateral joint spacer, which ensures a uniform joint of 1.5 mm. In the case of stainless steel and brass profiles a joint of approximately 1.5 mm is recommended.
7. Work on sensitive surfaces with materials and tools that do not cause scratches or



Schlüter®-RONDEC-PRG



Schlüter®-RONDEC-EV
(Connector for stainless steel profiles)



damage. Setting materials must be removed immediately, especially on aluminium.

8. Matching corner pieces are available for internal and external corners.

Maintenance

Schlüter®-RONDEC requires no special maintenance or care. Abrasive cleaners should not be used on sensitive surfaces.

Use conventional polishes to remove the oxidation layer on aluminium; however, oxidation will reoccur. Applying lacquer can repair anodised layers.

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.



Schlüter®-RONDEC-E (EB)



Schlüter®-RONDEC-A (ACGB)

Product Overview

Schlüter®-RONDEC-PRO

PRO = Coloured PVC Length supplied: 2.50 m

H = mm	6	8	10	11	12.5
AP	•	•	•		
BH	•	•	•		
BW	•	•	•	•	•
CA	•	•	•		
G	•	•	•		
GS	•	•	•	•	•
HB	•	•	•		
HG	•	•	•		
NB	•	•	•		
PG	•	•	•	•	•
SP	•	•	•	•	•
W	•	•	•	•	•
External corner	•	•	•	•	•
Internal corner	•	•	•	•	•

Schlüter®-RONDEC-PRG

PRG = Coloured PVC Length supplied: 2.50 m

H = mm	6	8	10	12.5
BW	•	•	•	•
PG	•	•	•	•
W	•	•	•	•
External corner	•	•	•	•
Internal corner	•	•	•	•

Schlüter®-RONDEC-AC

AC = Colour coated aluminium Length supplied: 2.50 m

H = mm	6	8	10	11	12.5
BH	•	•	•	•	•
BW	•	•	•	•	•
G	•	•	•		•
GM	•	•	•		•
GS	•	•	•		•
HB	•	•	•		•
HG	•	•	•		•
PG	•	•	•	•	•
W	•	•	•	•	•
External corner	•	•	•	•	•
Internal corner	•	•	•	•	•
Connector		•	•		•

Colours:

- AP = soft apricot
- BH = bahama
- BW = brilliant white
- CA = caramel
- G = grey
- GM = grey metallic
- GS = black
- HB = light beige
- HG = light grey
- NB = nut brown
- PG = pastel grey
- SP = soft peach
- W = white
- TSB = tuscan beige aluminium
- TSG = tuscan pewter aluminium
- TSOB = tuscan bronze aluminium

Schlüter®-RONDEC-TS

TS = Tuscan textured aluminium Supplied length: 2.50 m

H = mm	8	10	12.5
TSB	•	•	•
TSG	•	•	•
TSOB	•	•	•
External corner	•	•	•
Internal corner	•	•	•
Connector	•	•	•

Colours: TSB = tuscan beige aluminium, TSG = tuscan pewter aluminium, TSOB = tuscan bronze aluminium



Schlüter®-RONDEC-AV (Connector for aluminium profiles)



Text template for tenders:

Supply _____ per metre Schlüter®-RONDEC as a finishing or corner profile with a trapezoid perforated anchoring leg and symmetrically rounded surface area and install according to instructions. Installation of accessories (external or internal corners)

- are to be included in unit prices.
- are to be charged as extra.

Follow the manufacturer's installation instructions.

Material:

- - M = Solid brass
 - - MC = Chrome plated brass
 - - E = Stainless steel, 1.4301 (V2A)
 - - EP = Polished stainless steel
 - - EB = Brushed stainless steel
 - - EV4A = Stainless steel, 1.4404 (V4A)
 - - AE = Anodised aluminium
 - - ACG = Polished chrome anodised aluminium
 - - ACGB = Brushed chrome anodised aluminium
 - - AM = Satin brass anodised aluminium
 - - AMG = Polished brass anodised aluminium
 - - AMGB = Brushed brass anodised aluminium
 - - AK = Satin copper/bronze anodised aluminium
 - - AKG = Polished copper/bronze anodised aluminium
 - - AKGB = Brushed copper/bronze anodised aluminium
 - - AT = Satin titanium anodised aluminium
 - - ATG = Polished titanium anodised aluminium
 - - ATGB = Brushed titanium anodised aluminium
 - - AGSB = Brushed graphite black aluminium
 - - ATGB = Brushed titanium anodised aluminium
 - - AC = Colour coated aluminium
 - - TS = Tuscan textured aluminium
 - - PRO = Coloured PVC
 - - PRG = Coloured PVC (No grout spacer)
- Profile height: _____ mm
 Colour: _____
 Art.-No.: _____
 Material: _____/m
 Labour: _____/m
 Total: _____/m



Schlüter®-RONDEC external and internal corners

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

Schlüter®-RONDEC-MC

MC = Brass with chrome finish

Supplied length: 2.50 m

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

Schlüter®-RONDEC-A anodised

AE = Anodised aluminium / ACG = Polished chrome anodised aluminium / ACGB = Brushed chrome anodised aluminium / AM = Satin brass anodised aluminium / AMG = Polished brass anodised aluminium / AMGB = Brushed brass anodised aluminium / AK = Satin copper/bronze anodised aluminium / AKG = Polished copper/bronze anodised aluminium / AKGB = Brushed copper/bronze anodised aluminium / AT = Satin titanium anodised aluminium / ATG = Polished titanium anodised aluminium / ATGB = Brushed titanium anodised aluminium / AGSB = Brushed graphite black aluminium

Length supplied: 2.50 m

Material	AE	ACG	ACGB	AM	AMG	AMGB	AK	AKG	AKGB	AT	ATG	ATGB	AGSB
H = 6 mm	•	•	•	•	•	•	•	•	•	•	•	•	•
H = 8 mm	•	•	•	•	•	•	•	•	•	•	•	•	•
H = 9 mm	•	•	•										
H = 10 mm	•	•	•	•	•	•	•	•	•	•	•	•	•
H = 11 mm	•	•	•										
H = 12.5 mm	•	•	•	•	•	•	•	•	•	•	•	•	•
H = 15 mm	•	•	•										
External corner	•	•	•	•	•	•	•	•	•	•	•	•	•
Internal corner	•	•	•	•	•	•	•	•	•	•	•	•	•

Note: Connectors are available for profile heights 8, 10, and 12.5 mm

Schlüter®-RONDEC-E

E = Stainless steel / EP = Polished stainless steel / EB = Brushed stainless steel / EV4A = Stainless steel 1.4404 (V4A)

Length supplied: 2.50 m

H = mm	4.5	6	7	8	9	10	11	12.5	15
E	•	•	•	•	•	•	•	•	•
EP		•		•		•		•	•
EB		•	•	•	•	•	•	•	•
EV4A		•		•		•		•	
External corner	•	•	•	•	•	•	•	•	•
Internal corner	•	•	•	•	•	•	•	•	•
Connector				•		•		•	
End caps EB*	•	•	•	•	•	•	•	•	•

Note: External corners are available in die-cast metal with a stainless steel appearance, with some items also offered in the solid stainless steel materials V2A or V4A. Internal corners are made of die-cast metal with a stainless steel appearance. *End caps EB are suitable for use with Schlüter®-RONDEC-E and -EP Length supplied: 1.00 m

H = mm	6	8	10	12.5
E	•	•	•	•