alwitra

DIE DACHMARKE

Roof edge trim profiles

T plus
TW 125 plus
TA
TA-4F
TAG
art-line 1

alwitra product systems

Roof edge trim profiles are part of the practically proven alwitra waterproofing system.

Furthermore, this system comprises:

1. waterproofing membranes
2. PV waterproofing membranes
3. coated metal sheets
4. roof edge trim profiles incl. colour coating
5. wall flashing profiles incl. colour coating
6. wall capping profiles incl. colour coating
7. colour coating
8. snow guard profiles
9. rooflights and natural smoke vent systems
10. paving slab supports
11. flat roof vents
12. rainwater outlets

Roof edge trim profiles by alwitra

Contents

From one roof edge to the other: As the market leader in high-quality roofing systems, alwitra provides all waterproofing components by way of an integrated system solution from a single source. Since the establishment of the company in 1964, alwitra has set new standards for the entire industry by introducing numerous product innovations. In particular, this is true for the patented and practically proven alwitra roof edge trim profiles.

They form part of the roof waterproofing and, particularly with an individually coloured coating, contribute to the overall architectural impression of the building.

alwitra roof edge trim profiles are:

- industrially manufactured and ready to install
- suitable for all types of roof waterproofing (synthetic membranes or bituminous membranes)
- made of aluminium, EN AW-6060 or EN AW-5005A for series TAG and art-line, light-weight and corrosion resistant, recyclable, with colour coating or anodised, if required
- compliant with standards and directives
- for straight or curved (on plan) roof edges without or with upstands (parapet)
- with a plain or specially formed finish and a front height of 80 to 1,050 mm
- bracket-profile-constructions with ready-to-install external and internal corners, stop ends and upstands
- for simple and time-saving installation

alwitra roof edge trim profiles offer unique advantages:

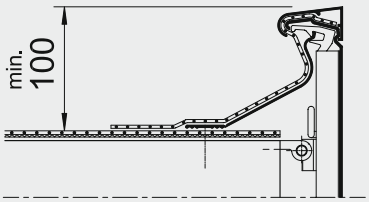
- long-time practically proven waterproof and tension-free flashing against the roof waterproofing
- maximum overflow protection and rain resistant butt joints ensured by cover profiles wich slope towards the roof and by the use of an S-shaped tape formed the fillet plate
- fillet plates for in-line fastening as well as for protecting the roof waterproofing against wind uplift along the roof edge

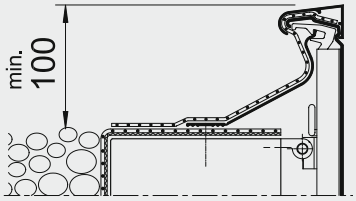
Roof edge trim profiles
Information on design and execution

Information on design and execution of roof edges with roof edge trim profiles:

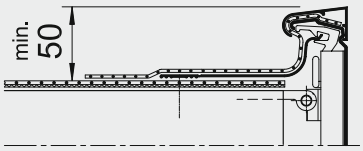
(National guidelines and regulations must be observed.)

1. The height of the roof edge trim above the finished roof surface (roof waterproofing, gravel or slabs) should be approx. 100 mm or approx. 50 mm respectively.



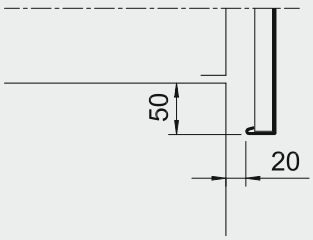


roof slope up to 5°

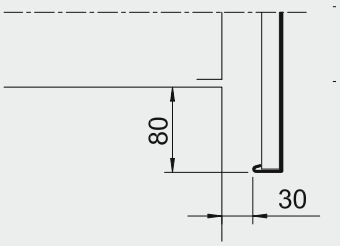


roof slope over 5°

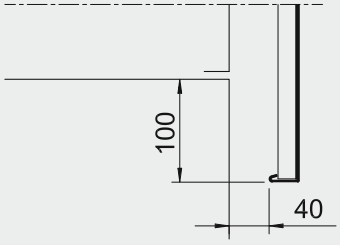
2. The roof edge trim profile must overlap the upper edge of the render finish or the façade cladding by at least 50 - 100 mm. The drip edge should be at least 20 - 40 mm away from the building structure.



up to 8 m building height



from 8 to 20 m building height



over 20 m building height

3. The roof waterproofing must be taken to the outer edge of the upstand or roof area and fastened. Flashing against the roof edge trim profiles is to be carried out with the same material as used for the roof waterproofing. In the case of trafficked roof areas, the roof waterproofing sealing in the flashing area must be protected against mechanical damage.
4. Roof edge trim profiles must be designed and installed so as to not allow any impairment of the waterproofing resulting from thermal movements of the profiles. **›› see: the alwitra solution, p. 5**
5. The edge trim profiles, brackets and fasteners must be able to withstand normally expected wind loads.
6. In order to prevent negative impacts on the roof build-up, appropriate measures for taking up horizontal forces are necessary. The roof waterproofing is fixed to the supporting construction by in-line or linear fastening. **›› see: the alwitra solution, p. 5**
7. The brackets have to be sufficiently rigid and must not prevent thermal expansion of the profile. Bracket centres depend on the building height.
8. At corners and ends preformed details or manual processing (e. g. cutting, folding, welding) may be required.
9. Metal roof edge trim profiles being most often struck by lightning should be integrated into the lightning protection system.

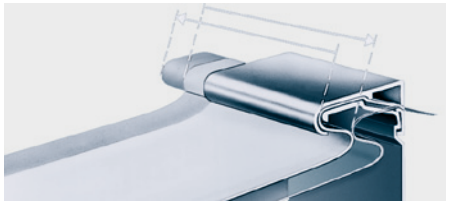
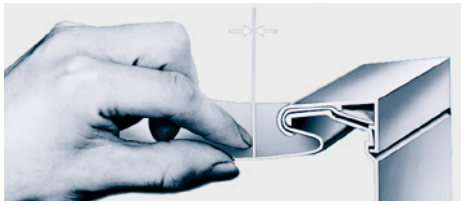
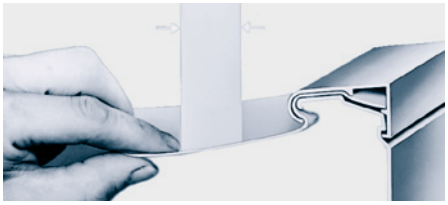
alwitra roof edge trim profiles offer unique advantages

With industrially manufactured alwitra roof edge trim profiles straight or curved (on plan) roof edges without or with upstands (parapet) can be designed in compliance with standards and directives.

alwitra roof edge trim profiles: permanently tension-free and waterproof flashing

›› The alwitra solution for 4:

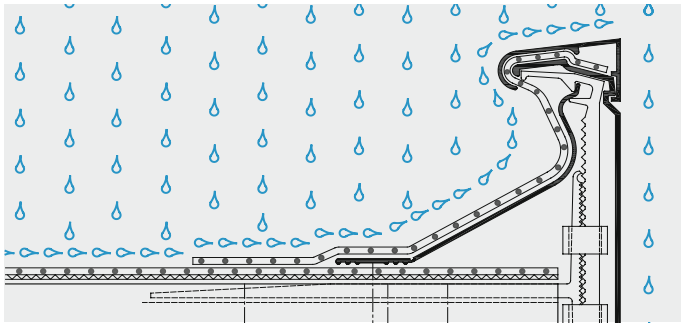
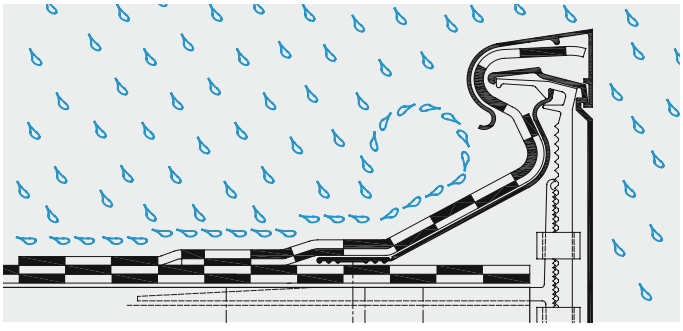
The tape is placed loose in the alwitra profile, however, it cannot slip out. The profile moves independently from the roof waterproofing and does not cause any tension. Stresses deriving from movements perpendicular to the roof edge can be absorbed by the S-shaped form of the tape without causing any damage. The flashing will remain permanently tension-free and waterproof.

alwitra roof edge trim profiles: maximum overflow protection and rain resistant butt joints

›› The alwitra solution for 6:

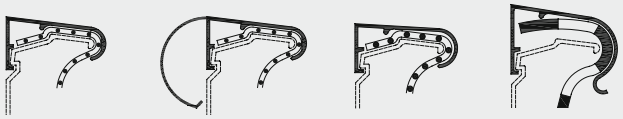
The fillet plate support is simply supported and slide-mounted in two brackets and mechanically fastened to the roof edge (suitable 4.5 mm dia. fasteners at 250 mm centres). The inclined fillet plate installed between the roof area and the top of the bracket serves as a support for the tape and for in-line fastening as well as for securing the roof waterproofing against wind uplift along the roof edge.

Maximum overflow protection and rainproof butt joints through

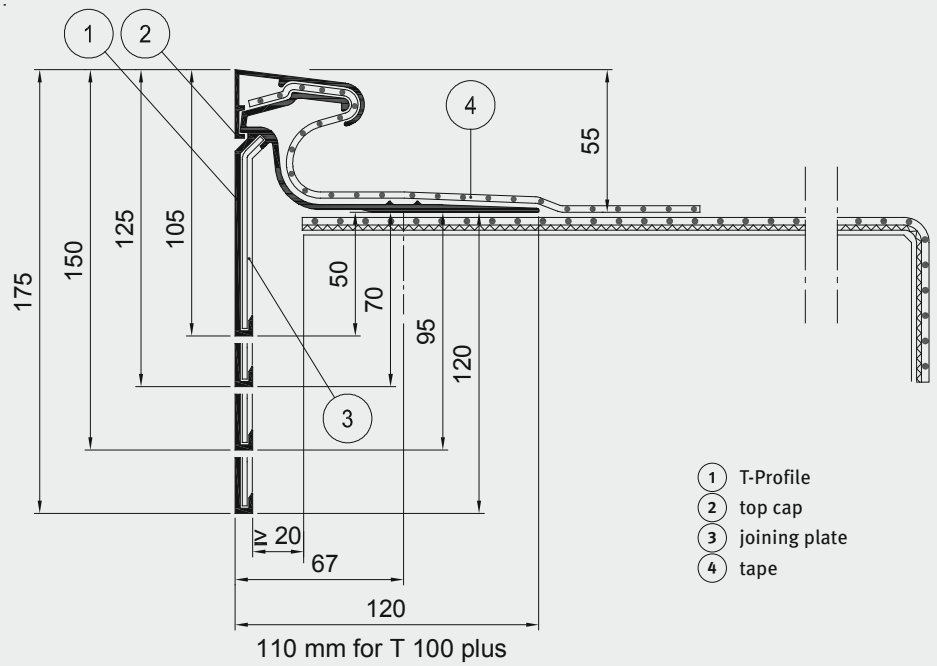
- top cap sloped towards the roof
- S-shaped form of the tape
- 4 different varieties of top caps
- fillet plate for in-line fastening as well as for protecting the roof waterproofing against wind uplift along the roof edge

2.5 m long top caps in 4 different varieties for various types of waterproofing materials and 265 mm long mitre top caps for corners or 500 mm long for suitable bituminous membranes.



Roof edge trim profile Series T plus

- two-piece extruded aluminium profile
- front height: 105 - 175 mm
- time-saving and easy installation
- for roof slopes › 5° or with parapet



alwitra roof edge trim profiles series T can be installed:

- on roof edges with upstands (parapet) and
- on roof edges of roofs with a slope › 5°

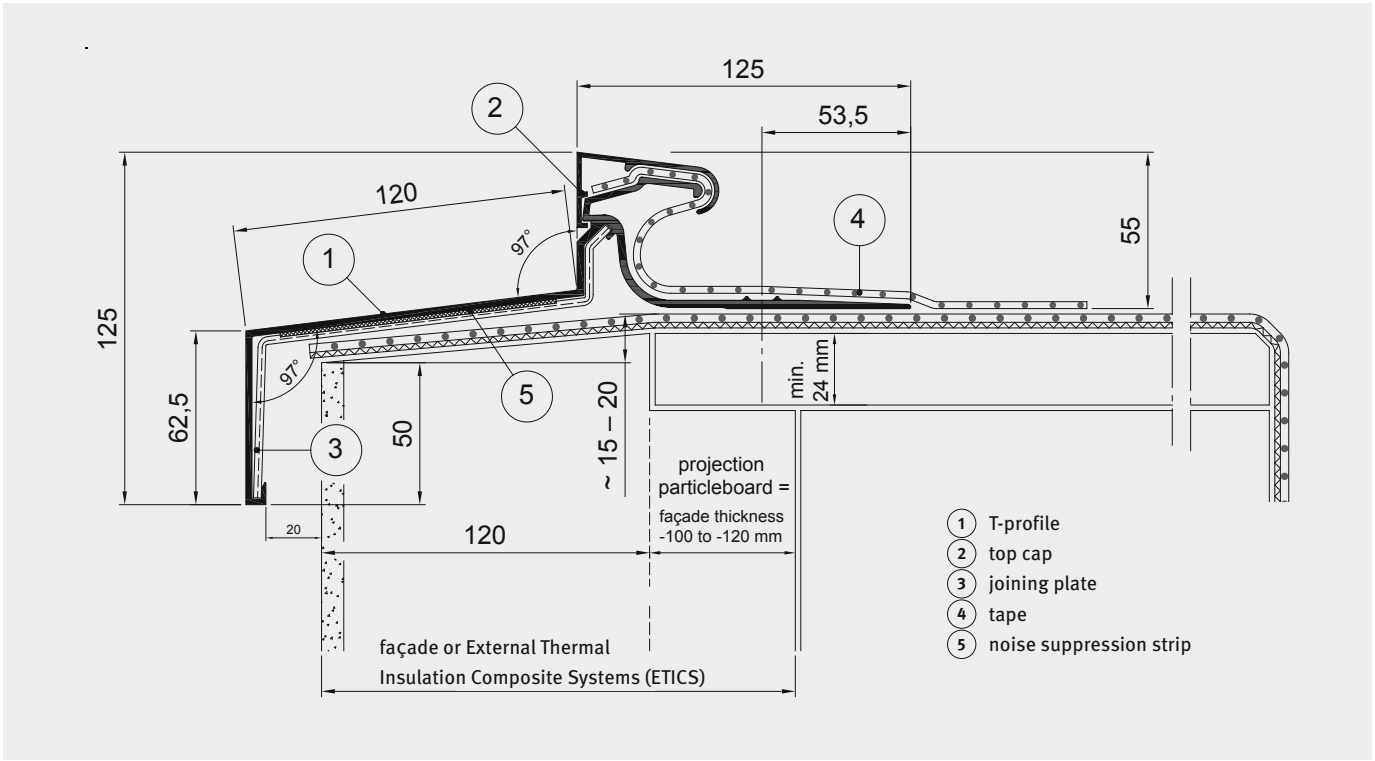
alwitra roof edge trim profile Series T plus:

- two-piece extruded aluminium profile, corrosion resistant
- 2.5 m long top caps for easy connection of various waterproofing membranes
- 5.0 m long T-profiles in 4 different front heights (105, 125, 150, 175 mm)
- easy and quick installation by means of the pre-drilled horizontal leg
- rain resistant butt joints ensured by joining plates, permanently located at the centre of the join
- incl. ready-to-install external and internal corners with 200 mm long corner legs
- with rigid horizontal leg for in-line fastening as well as for protecting the roof waterproofing against wind uplift along the roof edge

Roof edge trim profile
Series T plus – application examples

Roof edge trim profile Series TW 125 plus

- two-piece extruded aluminium profile
- time-saving and easy installation
- for an optically unobtrusive roof edge
- for covering façades and external thermal insulation composite systems
- for roof slopes ≤ 5° with parapet or edge boards



alwitra roof edge trim profiles series TW 125 can be installed:

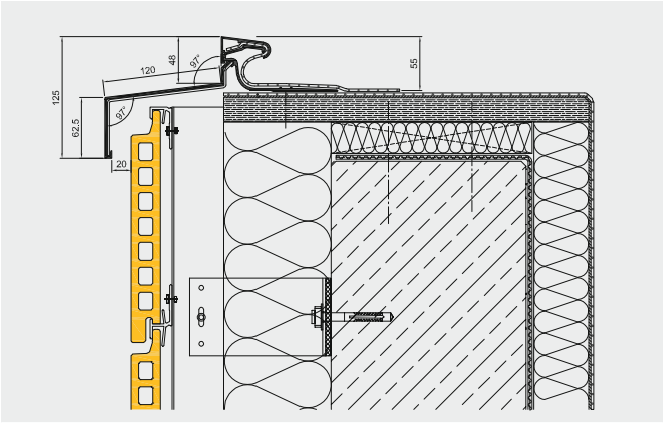
- on roof edges with upstands (parapet)
- on roof edges with timber hard edge

alwitra roof edge trim profile series TW 125 plus:

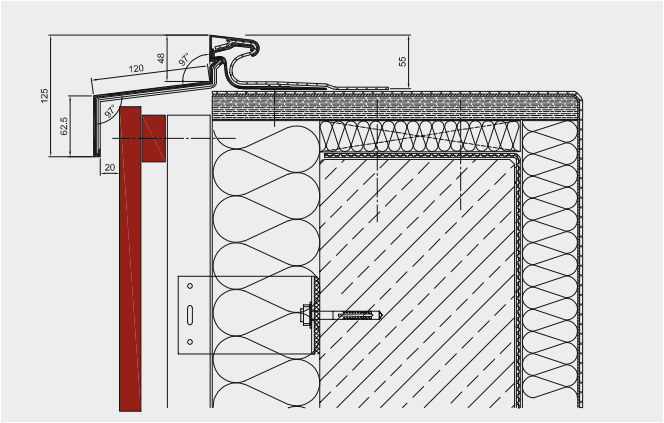
- two-piece extruded aluminium profile, corrosion resistant
- 2.5 m long T-profiles with an overall height of 125 mm and a front height of 62.5 mm
- 2.5 m long for easy connection of various waterproofing membranes
- easy and quick installation by means of the pre-drilled horizontal leg
- rain resistant butt joints ensured by inserted joining plates, permanently located at the centre of the join
- incl. ready-to-install external and internal corners with 200 mm long corner legs at the connection area
- with rigid horizontal leg for in-line fastening as well as for protecting the roof waterproofing against wind uplift along the roof edge
- quick and easy installation

Roof edge trim profile
Series TW 125 plus – application examples

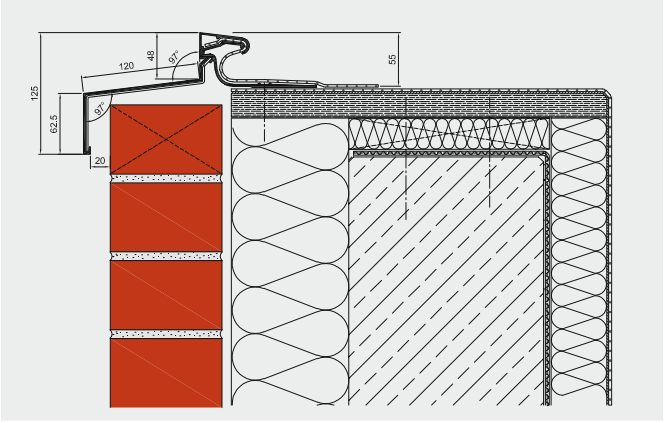
Moving the flashing against the roof waterproofing sealing towards the roof area allows for covering the façade or External Thermal Insulation Composite Systems (ETICS) by 50 mm[1] at a front height of 62.5 mm. The max. thickness of the façade or the external thermal insulation composite system is 120 mm. For thicknesses of more than 120 mm a plywood sheet (min. 24 mm thick), providing sufficient projection, should be installed to allow fastening of the trim profile.



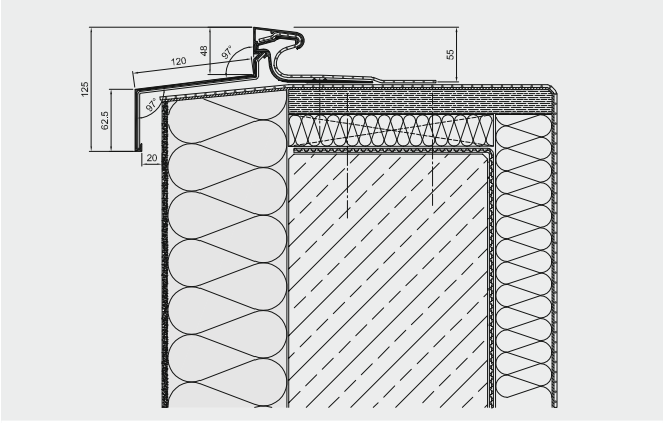
Installation over non-load bearing element (cladding)



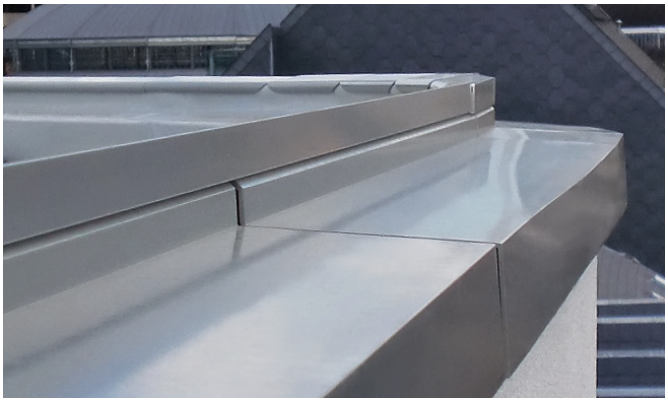
Installation over non-load bearing element (timber)



Installation over brick façade



Installation over External Thermal Insulation Composite Systems (ETICS)

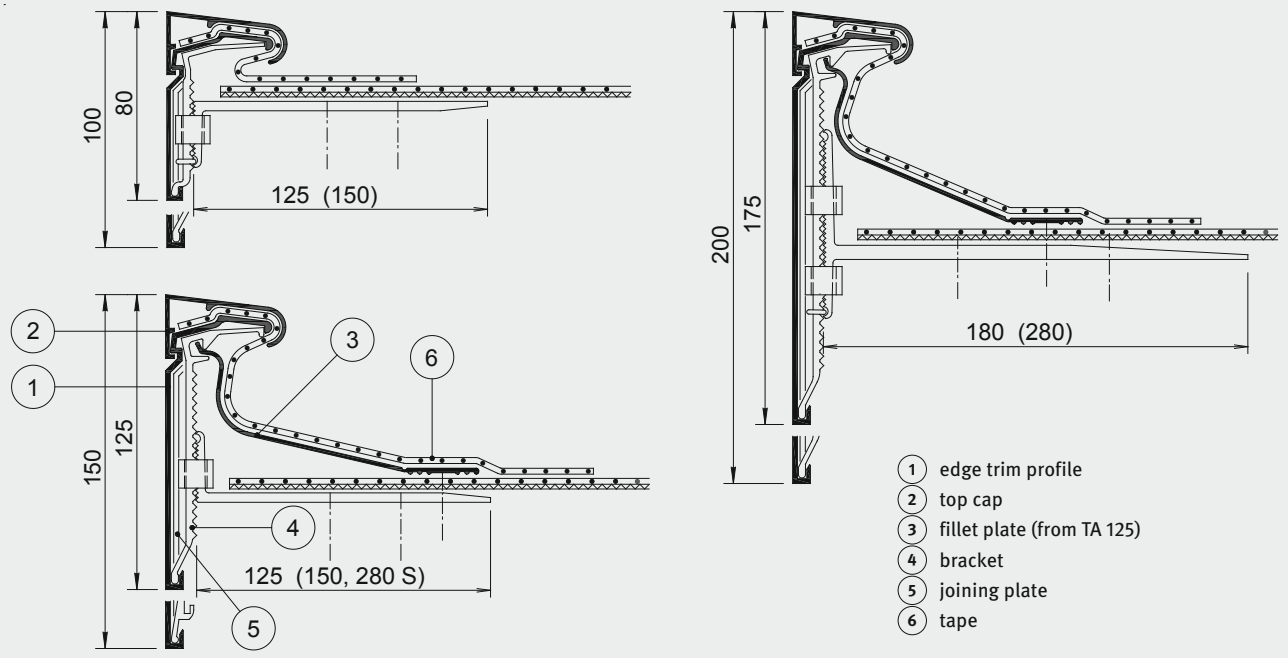


Note: With the flashing against the roof sealing being set back by 120 mm, rainwater in this area will drain off over the front surface of the profile!

[1] Overlap of 50 mm is in accordance with the German guidelines for up to 8.00 m building height. The corresponding national regulations apply.

Roof edge trim profile Series TA

- multi-piece extruded aluminium profile
- front height series TA: 80 - 200 mm
- with height-adjustable, horizontally moveable brackets



alwitra roof edge trim profiles series TA can be installed:

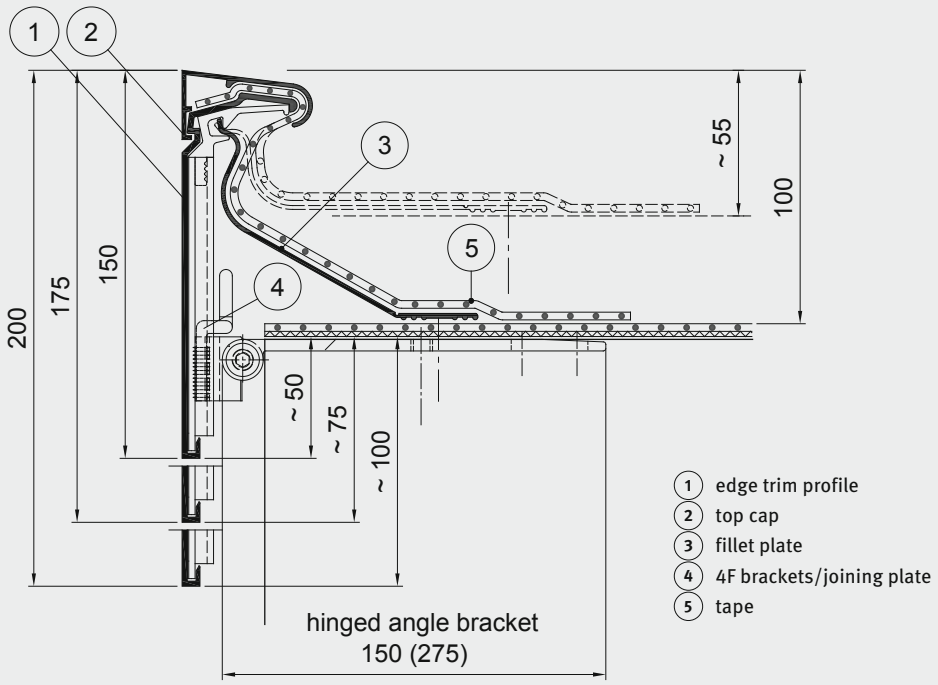
- on straight and curved (on plan) roof edges
- on roof edges with and without upstands (parapet)
- on roof edges with timber hard edge

alwitra roof edge trim profile series TA:

- multi-piece extruded aluminium profile, corrosion resistant
- 2.5 m long cover profiles for an easy connection of various waterproofing membranes
- height-adjustable brackets
- 5.0 m long profiles with a front height of 80 to 200 mm
- with 2.5 m long fillet plates for in-line fastening as well as for easy connection of various waterproofing membranes protecting the roof waterproofing against wind
  uplift along the roof edge and S-shaped installation of the tape (from TA 125)
- rain resistant butt joints ensured by inserted joining plates, permanently located at the centre of the join
- quick and easy installation

Roof edge trim profile Series TA-4F

- multi-piece extruded aluminium profile
- front height series TA-4F: 150 - 200 mm
- with patented 4F-brackets
- Infinitely adjustable in all directions



alwitra roof edge trim profiles series TA-4F can be installed:

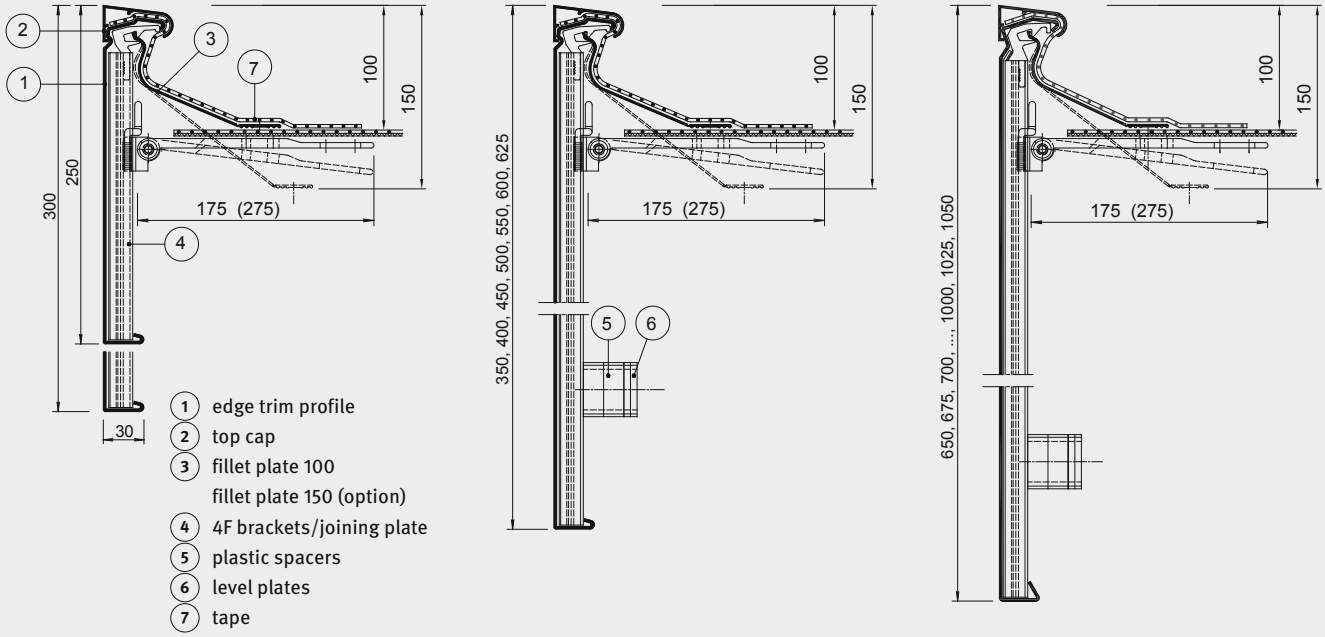
- on straight and curved (on plan) roof edges
- on roof edges with and without upstands (parapet)
- on roof edges with timber hard edge

alwitra roof edge trim profile series TA-4F:

- multi-piece extruded aluminium profile, corrosion resistant
- 2.5 m long top caps for easy connection of various waterproofing membranes
- with infinitely height-adjustable, patented, rigid 4F brackets/joining plates with integrated seals
- 5.0 m long profiles with a front height of 150, 175 and 200 mm
- with 5.0 m long fillet plates for in-line fastening as well as for protecting the roof waterproofing against wind uplift along the roof edge and S-shaped installation of the tape
- quick and easy installation

Roof edge trim profile Series TAG

- multi-piece aluminium profile
- front height: 250 - 1,050 mm
- supplied with patented 4F-brackets as standard
- Infinitely adjustable in all directions



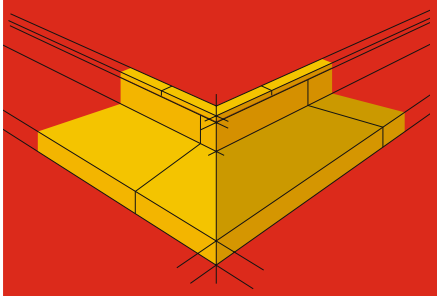
alwitra roof edge trim profiles series TAG can be installed:

- on straight and curved (on plan) roof edges
- on roof edges with and without upstands (parapet)
- on roof edges with timber hard edge

alwitra roof edge trim profile series TAG:

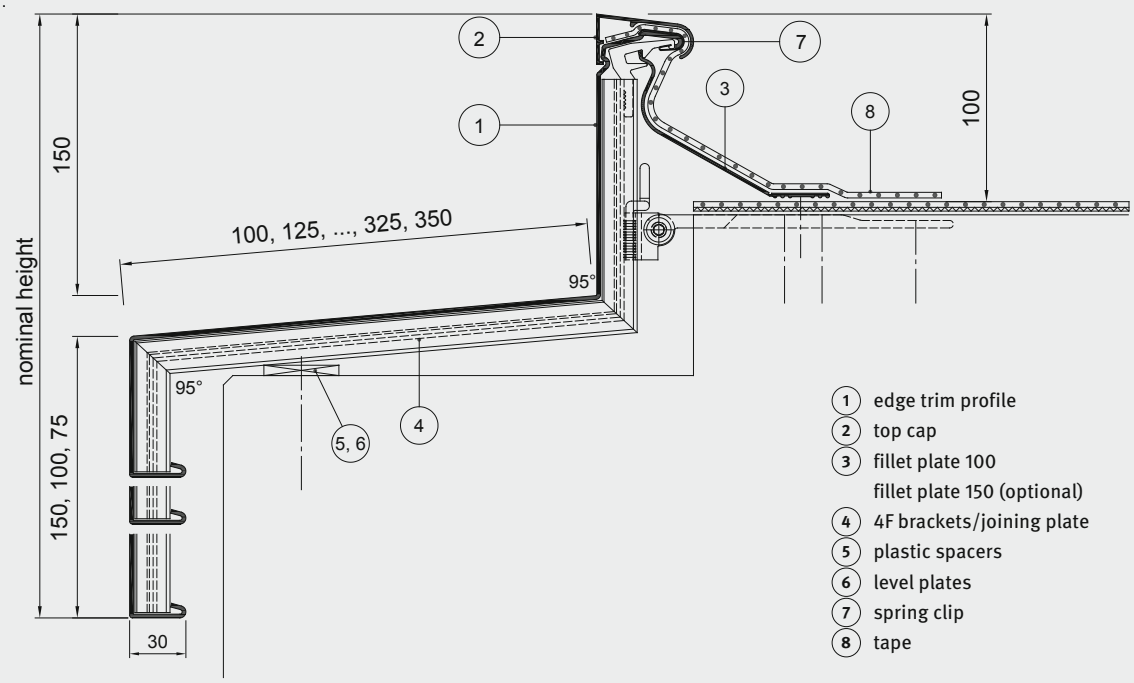
- multi-piece cold-rolled aluminium profile, corrosion resistant
- 2.5 m long top caps for easy connection of various waterproofing membranes
- with infinitely height-adjustable, patented, rigid 4F brackets/joining plates with integrated seals
- 5.0 m long cold-rolled profiles with a front height of 250 to 625 mm
- 2.5 m long folded profiles with a front height of 650 to 1,050 mm
- with 5.0 / 2.5 m long fillet plates for in-line fastening as well as for protecting the roof waterproofing against wind uplift along the roof edge
- quick and easy installation

Roof edge trim profile
Series TAG – application examples



Roof edge trim profile Series art-line 1

- multi-piece rolled and additionally folded aluminium profile
- for roof edges with a sophisticated design
- numerous varieties with a front height from 75 to 150 mm
- supplied with patented 4F-brackets as standard
- Infinitely adjustable in all directions



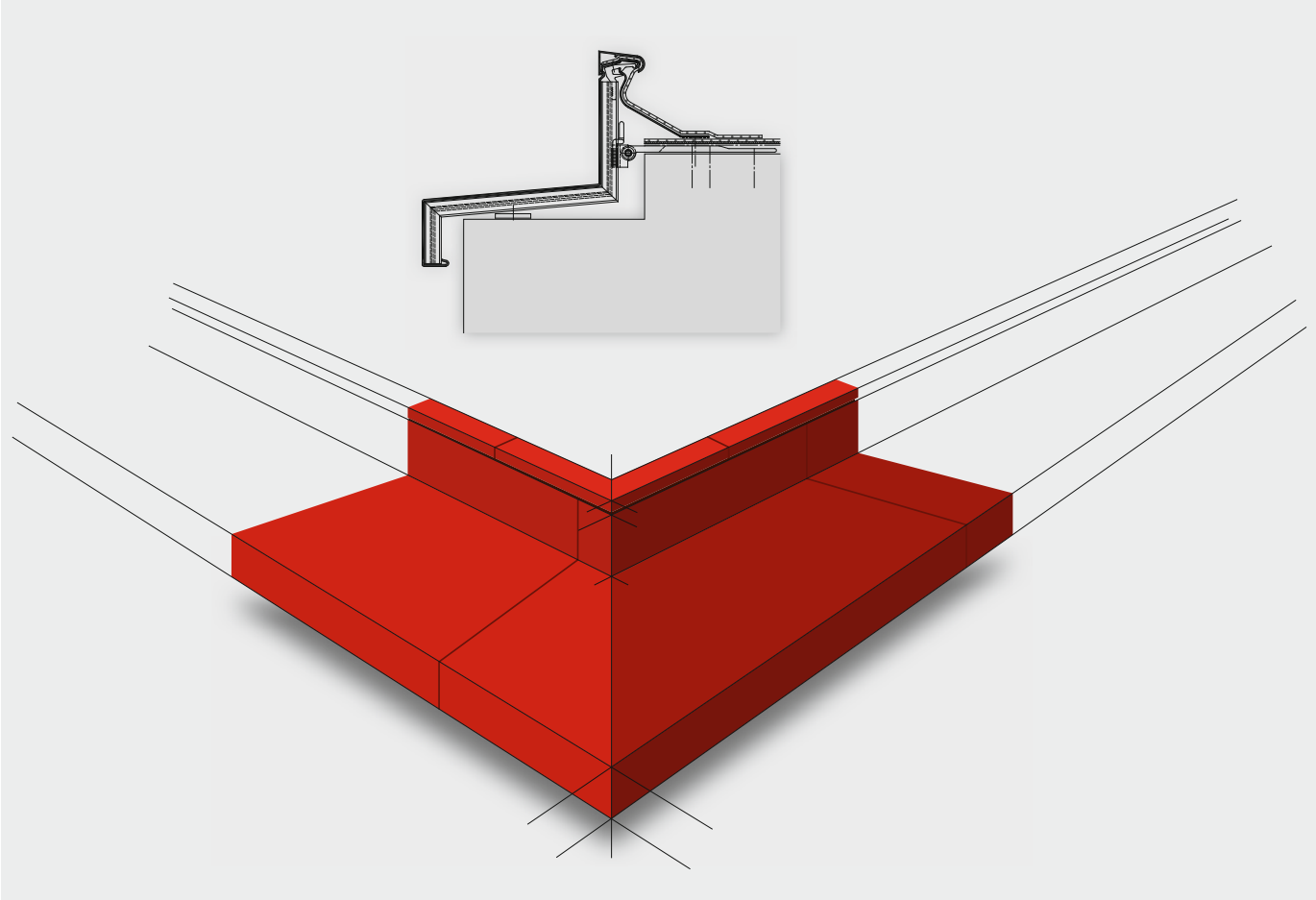
alwitra roof edge trim profiles series art-line 1 can be installed:

- on roof edges with upstands (parapet) and staggered roof edges
- on roof edges with timber hard edge

alwitra roof edge trim profile series art-line 1:

- multi-piece cold-rolled and additionally folded aluminium profile, corrosion resistant
- 2.5 m long top caps for easy connection of various waterproofing membranes
- with infinitely height-adjustable, patented, rigid 4F brackets/joining plates with integrated seals
- different varieties of 2.5 m long profiles
- with 2.5 m long flashing supports for in-line fastening as well as for protecting the roof waterproofing against wind uplift along the roof edge and S-shaped installation of the tape
- Other versions on request

Roof edge trim profile
Series art-line 1 – application examples



Colour coating

We provide the right ideas for colour design:

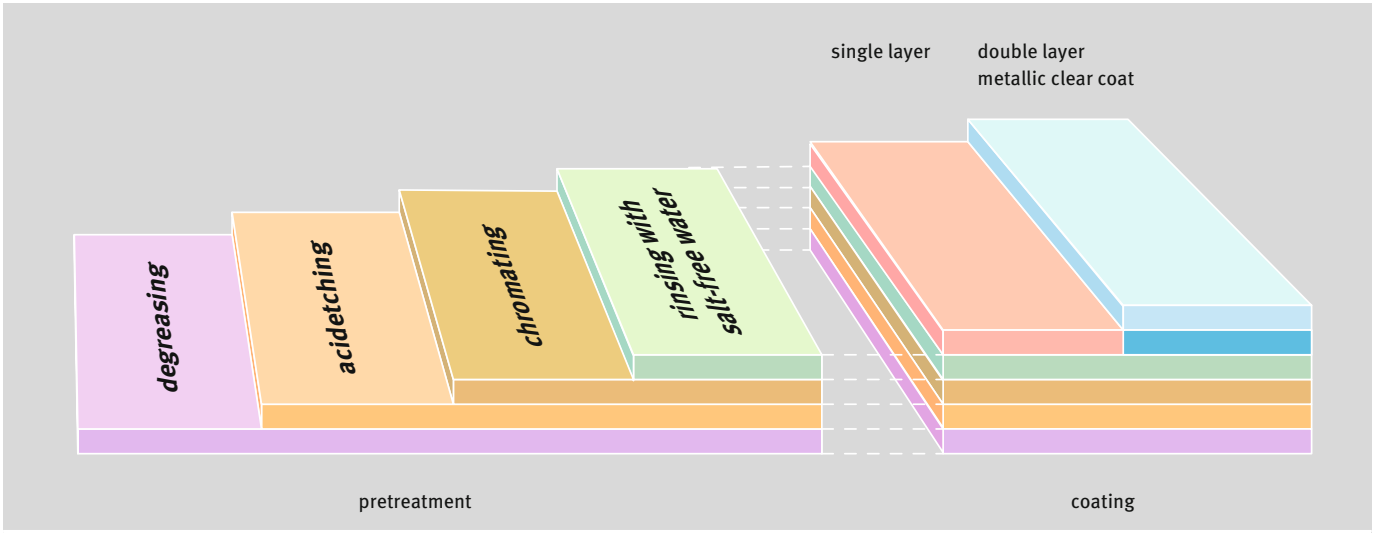
- brillant colours and uniform coating thickness
- in standard RAL colours, metallic or with textured effect
- matt or high-gloss finish – clean and smooth surfaces, dust repellent and easy to clean

Façades and roof edges constitute the main design features of a building. Colour plays a vital role in this respect. The paint system is of the utmost significance. Wet paints haven proven their reliability for decades all over the world in different climate zones and all application areas: at transport facilities, airplanes, industrial plants and in the building sector.

Our concept is based on solid ground: We have more than 30 years of experience in painting technology, resulting in customised system solutions. By providing the right painting technology we facilitate your choice of the optimal surface quality.

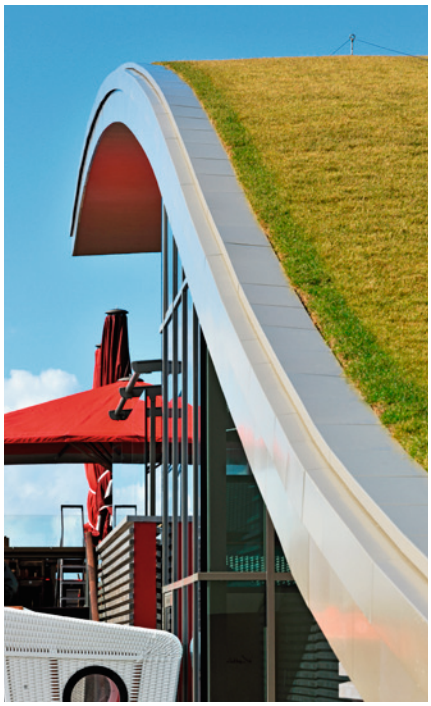
We offer a “new freedom of choice of colour” – the individual colour design. You can choose from an extensive range of colours and finishes. You can also design your own individual shades.

Our wet-painting systems have proven their high performance for more than three decades. Long-term trials and tough tests have produced evidence of their outstanding quality. This coating will ensure effective long-lasting protection and an attractive visual appearance.



Layer structure for a high-quality colour coating

Roof edge trim profiles application examples



Roof edge trim profiles application examples

Roof edge trim profiles application examples

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CE

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08/2013

alwitra

DIE DACHMARKE

Exclusive alwitra partner in the UK:

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