## Profiles for interior and exterior plastering



### APU Fillet MINI (plus)

plaster joints to windows, doors and for reconstruction work with thin-coated plastering



Reworked plaster surfaces and internal plasters require compact and secured plaster joints to doors, windows and other component parts.

The MINI (and MINI plus) fillets seals by pressing it onto the component. The self-adhesive PE Sealing Tape forms a durable UV-resistant movement joint.

The plastic profile is the permanent joint between the plaster coating and the component parts. During the plastering work a protective foil is fixed to the self-adhesive Protective Tab. A neat plaster border is the result after removing the Protective Tab.

The APU fillet is available as MINI with a self-adhesive PE Sealing Tape and MINI-plus with a self-adhesive PE Sealing Tape and soft Protective Lip.

Driving rain proof according to test certification EMPA No.173557. Component test according to ift test report no. 104 28679.



Available in packed units: A11: 20 bars of 2.40 m = 48.00 m

A11+: 20 bars of 2.50 m = 50.00 m





Available in packed unit: 30 bars of 2.40 m = 72.00 m



## Profiles for interior and exterior plastering



### APU Fillet MIDI (plus)

plaster joint to windows, doors and similar component parts



Highly efficient insulation for masonry walls with ground plasters/ scratched plasters require interior and exterior tight and secure joints to doors, windows and other component parts.

The fillet MIDI (and MIDI-plus - with a soft Protective Lip) seals against driving rain as a result of pressure at attachment time. The self-adhesive PE Sealing Tape forms a durable UV-resistant movement joint.

The plastic fillet MIDI is the permanent joint between the plaster coating and the component parts. For the plastering work, the on-site protective foil is fixed on the self-adhesive Protective Tab. A neat plaster border is the result on removing the Protective Tab.



Available packed unit: A13: 30 bars of 2.40 m = 72.00 m A13+:30 bars of 2.50 m = 75.00 m



## Profiles for interior and exterior plastering



#### APU Fillet UNIVERSAL

thick plaster joint to windows, doors and similar component parts



Highly efficient insulation for masonry walls with insulating plasters require interior and exterior tight and secure joints to doors, windows and other component parts.

The fillet UNIVERSAL seals against driving rain as a result of pressure at attachment time. The self-adhesive PE Sealing Tape forms a durable UV-resistant movement joint.

The plastic fillet UNIVERSAL is the permanent joint between the plaster coating and the component parts. For the plastering work, the on-site protective foil is fixed on the self-adhesive Protective Tab. A neat plaster border is the result on removing the Protective Tab.

Available packed unit: 30 bars of 2.40 m = 72.00 m For detailed information see technical information sheet or visit us on the Internet at www.apu.ch. The most upto-date APU-selection criteria are to be adhered to.



APU AG



The APU fillet ELASTICK-plus with a soft Protective Lip is also equipped with a PUR Sealing Tape which is pushed in and precompressed. The PUR Sealing Tape is released by removing the Protective Tab. According to the expansion capabilities of the tape a tight joint to the connecting flanks is achieved. The self-adhesive PE Sealing Tape establishes the sealing to the frame.

This profile can be used in two-shell masonry reveals.

After completing work, the Closure Lid and the Protective Tab have to be pulled out of the joint.

**Available packed unit:** 30 bars of 2.40 m = 72.00 m

also available in grey color near RAL 7022





A21 A22

## **APU Corner Angle DUO**

Profiles for interior and

plastic border profiles for corners

A21 perforated





application with thin level

application with fabric wallpapers

application with thick level plaster

Plastic border profiles for making accurate edges.

A 21: With visible edge for thin level plasters and fabric wallpapers, A 22: With covered edge for thick level plasters.

Suitable for humid rooms.

#### The advantages at a glance:

- Easy to set by pressing into the mortar layer
- Accurate plaster/wallpaper bordering
- Reinforced bump edge
- Protection against corrosion
- Flush edges
- Easy processing with the Trimming Shears Z12
- Low shipping weight

Available packed unit: A21: 100 bars of 2.00 m = 200.00 m A22: 50 bars of 2.00 m = 100.00 m

For detailed information see technical information sheet or visit us on the Internet at www.apu.ch.



A21-A22/F34/HF-KT/08.18 subject to changes without notice



3 different edge projection lengths of 12, 15 or 21 mm can be supplied.

Available packed unit: 25 bars of 2.00 m = 50.00 m incl. Plug Connectors not a shelf item (ask for delivery time)





### APU Telescopic Joint Profile IDEAL-plus

Plaster joints to large window and door systems up to  $10\ m^2$ 



The APU Telescopic Joint Profile IDEAL-plus is intended for plaster joints, where movements must be expected.

The self-adhesive PE sealing tape ensures a permanent seal. A self-adhesive tape on the protective tab fixes the on-site PE protective foil during the plastering work.

The joint profile is resistant to driving rain, and enables component movements horizontally and vertically via the telescopic lead.



Available packed unit: 25 bars of 2.40 m = 60.00 m





The APU Telescopic Joint Profile FLEX-pro is intended for plaster joints, where movements must be expected.

The self-adhesive PE sealing tape ensures a permanent seal. A self-adhesive tape on the protective tab fixes the on-site PE protective foil during the plastering work.

The joint profile is resistant to driving rain, and enables component movements horizontally and vertically via the telescopic lead.







The APU Joint Profile PUR-FIX-pro is intended for plaster joints, where larger movements must be expected and bonding to the component is not desired.

The profile is equipped with a compressed PUR Sealing Tape, which is released when the protective mechanism is removed and expands directly to the frame component, sealing tight against driving rain. The PUR Sealing Tape is stuck into the profile and has a projection on both ends to seal the contact area between two profiles. For temporary fixation the profile is additionally equipped with a self-adhesive PE tape.

A self-adhesive tape on the protective tab takes up the on-site PE protective foil during the plastering work. Finally the Protective Tab will be pulled off, resulting in a neat plaster edge.



Available packed unit: 25 bars of 2.40 m = 60.00 m





# APU Corner Bracket with fabric DUO-TEX

with plaster level edges, fabric welded on



The Corner Brackets with fabric DUO-TEX form aligned and shock-resistant edges in thermal insulation composite systems.

The fabric parts are welded on the Corner Bracket using welding cords in ultrasonic method. At the same time the welding cords act as plaster level edges which ensure uniform coating thickness of the filler. This makes it much easier to scrape off the filler.

The projecting profile edge prevents cold bridges to the plaster and can be plastered over (version with imprinted / rough edge). The plaster level edge ensures correct layer thickness of the entire plaster system. For felt plaster the smooth profile edge is used. The smooth profile edge can be painted.

The Corner Brackets with fabric are connected together with Plug Connectors Z13, then embedded and fully covered with the filler.



#### Available packed unit:

Version W11 smooth or imprinted for fine plaster: 2.00 m, 25 bars/bundle = 50.00 m, Version W12 scratch plaster: 2.00 m, 25 bars/bundle = 50.00 m, (connectors in a bag are enclosed)



#### **Application example**

The Plug Connectors can also be used for temporary fixing when aligning the Corner Bracket with fabric. After applying the fabric filler they can be pulled off or hammered into the insulation.



tors

#### Additional advantages

- exact plaster leveling
- reinforced bump edge
- plaster gripping on the imprinted profile surface
- no shifting of fabric
- perfectly aligned corners

## APU Corner Bracket with fabric DUO-TEX W12

Application with scratch plaster

Shears

· perfect joint by Plug Connec-

• easy to process with Trimming

fabric layer with filler approx. 5-8 mm scratched plaster approx. 8-10 mm

W12



W13

### APU Corner Bracket with fabric ULTRA-TEX with plaster level edges



A new generation Corner Bracket made of plastic, with large elongated perforations facilitating convenient passage for coating material.

Each two smooth ultrasonically welded plaster level edges on both halves of the bracket support uniform secure application of the coating. At the same time, these bars protect the glass-fiber fabric in the angular area during processing and prevent mechanical damage to the fabric coating.

Available packed unit: 50 bars of 2.00 m = 100.00 m





### APU Corner Guard Bracket DECO-TEX



The Corner Guard Bracket DECO-TEX is a plastic bracket with a weldedon fabric on the inside. This bracket is suitable for fair-faced plasters and thin level plasters. It is used in felted reveals along with the Border Profile DECO-TEX W44.

The bracket can be used as wallpaper angle or as protective edge in subsurfaces like gypsum plaster boards and drywalls.

Available packed unit: 25 bars of 2.00 m = 50.00 m





# W15

# APU Corner Bracket with fabric STABILO



The Corner Bracket with fabric STABILO is provided with wide plastic flanks with two rows of perforations. The fabric parts fastened each with two welding cords that form the plaster level edges for the filler layer high.

The front end plaster level edge tapered towards the corner is perforated and grooved for improved plaster grip and, depending on the application, it can be supplied in 8, 11 or 17 mm variations.

This Corner Bracket with fabric is suitable especially for thick coated systems. The bracket can also be used for basic plasters in the interior and exterior areas (available without the fabric as corner angle A23).

Available packed unit: 25 bars of 2.00 m = 50.00 m Plug Connectors are enclosed



## Application examples scratched plaster/thick coated plaster



## APU Corner Bracket with fabric TOP-TEX with plaster level edge



The APU Corner Bracket with fabric TOP-TEX is suitable for thin and fine layer plasters.

The corner bracket with fabric is equipped with welded-on fabric parts of 12.5 cm width. The fabric projection of 10 cm provided at one end of the bracket lengthwise allows overlapping of the fabric parts in the contact area between two profiles. The peak shaped and grooved plaster level edge simplifies applying the reinforcement layer and forms an exact, flush corner.

**Available packed units:** 25 bars of 2.00 m = 50.00 m



W16





The APU corner bracket with fabric MINI is suitable for fine and thin layer plasters. The bracket is bendable if needed, and therefore suitable for curves.

The corner bracket with fabric is equipped with welded-on fabric parts of 12.5 cm width. The fabric projection of 10 cm provided at one end of the bracket lengthwise allows overlapping of the fabric parts in the contact area between two profiles. A grooved plaster level edge makes it easier to attach the final rendering, forming an exact, flush edge.

**Available packed units:** 25 bars of 2.50 m = 62,50 m





# APU Joint Profile with fabric COMPACT-pro



Outer walls with thermal insulation composite systems require inside and outside sealed and secure plaster joints to doors, windows and other structural components.

The APU Joint Profile with fabric COMPACT-pro with covered self-adhesive PE Sealing Tape forms a permanent UV-resistant shadow gap.

The plastic profile forms a secure joint between the fabric filler and the component parts. For plastering/painting work, the on-site protective foil is fixed to the self-adhesive Protective Tab. A neat plaster joint is the result upon removing the Protective Tab.

Available packed unit: 25 bars of 2.40 m = 60.00 m





## APU Joint Profile with fabric

**STANDARD-UV** plaster joint with fabric to windows, doors and similar component parts



Outer walls with thermal insulation composite systems require inside and outside sealed and secure plaster joints to doors, windows and other component parts.

The APU Joint Profile with fabric STANDARD-UV (and STANDARD-UV-plus) with self-adhesive PE Sealing Tape ensures a permanent UV-resistant movement joint. The profile forms a permanent joint between the fabric filler and the component parts. For plastering work, a protective foil is pressed onto the self-adhesive Protective Tab. A neat plaster border is the result upon removing the Protective Tab.

The Joint Profile with fabric is resistant to driving rain according to test certification EMPA No. 173557.

- Type: W23 for filler systems
  - W23+ with a soft Protective Lip (otherwise the same as W23)

**Available packed unit:** 25 bars of 1.40 m = 35.00 m 25 bars of 2.40 m = 60.00 m

see also next page







# APU Telescopic Joint Profile with fabric MINI-BIO



The Telescopic Joint Profile with fabric MINI-BIO is intended for thermal insulation composite systems with deep insulation reveals and large insulation thickness. The Joint Profile with fabric is horizontally and vertically flexible as one profile part is inserted into the other. This enables absorption of large expansions in the joint area to windows or doors.

The profile is set in front of the reveal insulation and with the fabric part overlapping towards the fabric of the Corner Bracket W11, both embedding with filler. A thick self-adhesive PE Sealing Tape ensures a permanent driving rain proof sealing joint. The mainly biodegradable Protective Tab from primarily renewable raw materials takes up the onsite protective foil during plastering/painting work and is removed at the TPE-Zip seam after completing the work.

Component testing by ift-Rosenheim: Proof testing against air and driving rain, Test reports ift No. 10427468 and 10426074.



**Available packed unit:** 25 bars of 1.40 m = 35.00 m 25 bars of 2.40 m = 60.00 m





## APU Joint Profile with fabric PUR-EX/-plus

with compressed PUR Sealing Tape



The APU Joint Profile with fabric PUR-EX (and PUR-EX-plus - with a soft Protective Lip) is equipped with a compressed and pushed in PUR Sealing Tape which is released by removing the Protective Tab, and expands freely as required. It provides a decoupled (\*) solution between plaster system and the framework.

The profile is provided with a welded on fabric part. The front edge is arched and grooved to give the plaster a well aligned fitting. The compressed PUR Sealing Tape is calculated in safe dimensions, is driving rain proof and protected by a covering bar. The profile is provided with a self-adhesive PE Sealing Tape for gluing to the frames.

The profile W29 PUR-EX is applicable in thermal insulation composite systems "ETICS" with insulation thickness > 100 mm (especially for low-energy/passive houses) and to window/door systems where equilization movements are expected.



**Available packed unit:** 25 bars of 1.40 m = 35.00 m (on request) 25 bars of 2.40 m = 60.00 m



#### **Application examples**

#### Fire protection in the lintel area with a plaster pan



Application in plastic warm window









#### APU Joint Profile with fabric PUR-EX-pro for thin plaster



Factory-provided PUR Sealing Tape projection to seal the contact area between the profiles

The APU Joint Profile with fabric PUR-EX-pro is equipped with a compressed and pushed in PUR Sealing Tape (A), which is released by removing the Protective Tab, and expands freely as required (B). It provides a decoupled (\*) solution between plaster system and the framework.

The profile is provided with a welded on fabric part. The front edge is stepped and grooved to give the plaster a well aligned fitting. The compressed PUR Sealing Tape has a projection at the profile end to seal between the profile joints. The tape meets the specifications for resistance to driving rain.

The profile W29-pro is used according to the APU selection criteria in thermal insulation composite systems and in window/door systems where equalization movements are expected.

Driving rain proof according to component testing ift No. 10535965/3.



**Available packed unit:** 25 bars of 1.40 m = 35.00 m (on request) 25 bars of 2.40 m = 60.00 m

also available in grey color near RAL 7016





The APU Joint Profile with fabric PUR-EX-pro-K is equipped with a compressed and pushed in PUR Sealing Tape (A), which is released by removing the Protective Tab, and expands freely as required (B). It provides a decoupled (\*) solution between a plaster system and the framework.

The profile is provided with a welded on fabric part. The front edge is stepped and grooved to give the plaster a well aligned fitting. The compressed PUR Sealing Tape has a projection at the profile end to seal the contact area between two profiles. The tape meets specifications for resistance to driving rain.

The profile W29-pro-K is used according to the APU selection criteria in thermal insulation composite systems and in window/door systems where equalization movements are expected.

### Available packed unit: 25 bars of 2.40 m = 60.00 m









The Telescopic Joint Profile with fabric IDEAL-plus is intended for ETIC systems with deep insulation reveals, insulation thicknesses up to 160 mm and windows aligned with the masonry. The Joint Profile with fabric is horizontally and vertically flexible as one profile part is inserted into the other with sealing lips, via the flexible lead also back and forth (C). This enables absorption of expansions in the joint area of windows or doors between the plaster and the frame.

The profile is glued to the frame in front of the reveal insulation and with the fabric part overlapping towards the fabric of the corner bracket, both embedded with filler. The final plaster aligns flush with the profile. A thick self-adhesive PE Sealing Tape ensures a permanent driving rain proof sealing joint. The flexible Protective Lip forms a visually neat border towards the frame. The self-adhesive Protective Tab takes up the on-site protective foil to protect the frame during plastering and painting work. The telescopic function of the Joint Profile with fabric, as well as the forward and backward flexibility (B+C), is enabled by separating the Protective Tab (B) at the end of work (zip opening principle).

**Available packed unit:** 25 bars of 1.40 m = 35.00 m 25 bars of 2.40 m = 60.00 m

also available in grey color near RAL 7016





## APU Joint Profile with fabric ROMA

lateral sealing of projecting roller shutter systems



Projecting roller shutter systems are constructed to avoid cold bridges. The inspection flaps are located exterior and the plaster joint is made laterally to the guide rails.

The Joint Profile with fabric ROMA is equippped with a self-adhesive PE Sealing Tape for gluing. The movements resulting from the insulation thickness, overlapping reveal insulation and vibrations are buffered by the coextruded flexible TPE Loop. The reveal plastering with fabric layer can be applied in such a way that the inspection flap can be opened and the final plaster is aligned flush with the window sill border caps. The expandable TPE Loop is released by tearing off the Protective Tab.

The lateral and top joints must be selected depending on the construction situation and shape of the inspection box (example, see next page).



**Available packed unit:** 25 bars of 1.40 m = 35.00 m 25 bars of 2.40 m = 60.00 m For detailed information see technical information sheet or visit us on the Internet at www.apu.ch. The most upto-date APU-selection criteria are to be adhered to.

W31



## Construction example projecting roller shutter system

Professional joint due to all-round sealing with the APU profiles W31 and W36+, supplemented by Corner Bracket with fabric W11.



#### Sectional drawings





# W32-plus

### APU Joint Profile with fabric MILANO-plus with TPE Loop and Protective Lip



The Joint Profile with fabric MILANO-plus is intended for ETIC systems with deep insulation reveals, insulation thicknesses up to 160 mm and windows aligned with the masonry.

The Joint Profile with fabric is equipped with a flexible, co-extruded TPE Loop which is released by tearing off the Protective Tab. Dynamic component movements resulting from deformation and expansion are buffered by the TPE Loop. The profile is provided with a welded on fabric part. The front edge is arched and grooved to form a flush joint with the plaster. The profile is additionally equipped with a soft TPE Protective Lip. The sealing is enabled by the self-adhesive PE Sealing Tape. The removable Protective Tab is equipped with a self-adhesive tape to take up the on-site protective foil.

Component testing according to ift Test report No. 10428679.



**Available packed unit:** 25 bars of 1.40 m = 35.00 m 25 bars of 2.40 m = 60.00 m







The Joint Profile with fabric TORINO-pro allows a flexible plaster joint to window/door frames, etc. for insulation thicknesses up to 160 mm.

The Joint Profile with fabric is equipped with a flexible co-extruded TPE Loop, which is released by separating the Protective Tab at the end of plastering work. The TPE Loop takes up the component movements that result from deformation and expansion. The profile is provided with a welded on fabric part. The front edge is stepped and grooved for a flush plaster joint. On release, the stepped covering forms a shadow gap.

Sealing towards the frame is provided by the self-adhesive PE Sealing Tape. The bendable Protective Tab with a spacer bar is provided with a self-adhesive tape to take up the on-site protective foil.

Available packed unit: 25 bars of 2,40 m = 60,00 m











The APU Telescopic Joint Profile with fabric FLEX-pro is intended for ETIC systems with deep insulation reveal, insulation thickness up to 160 mm and windows mounted flush with the masonry. The joint profile with fabric is horizontally and vertically movable as one profile part is inserted into the other. Further more the flexible lead moves back and forth. This enables absorption of expansions in the joint area of windows or doors between the plaster and the frame.

The profile is glued in front of the insulation reveal to the frame and the fabric part embedded into the plaster layer overlapping with the facade fabrics or the fabric of a corner bracket. The final plaster aligns flush with the profile. The big dimensioned self-adhesive PE Sealing Tape provides a permanent driving rain proof sealing. The self-adhesive Protective Tab takes up the on-site protective foil to protect the frame components during plastering and painting work. Tearing off the Protective Tab at the end of the work shows a neat plaster edge with a shadow gap.

#### Available packed unit:

25 bars of 2.40 m = 60.00 m also available in grey color near RAL 7016





The Joint Profile with fabric NEO-plus is used for plaster joints in ETIC systems where bigger equalization movements are expected and when gluing on the window frame is not possible or not desired.

The profile is aligned dry, without fixing mortar along the window frame and fixed in position with the APU Plastic Nail Z21 - behind the fabric part and to the insulating boards (4 nails per meter). The profile is equipped with an expanding PUR Sealing Tape, which is released by tearing off the Closure Lid. The fabric part of 12.5 cm width is welded onto the profile, the TPE Protective Lip is co-extruded.

The Joint Profile with fabric NEO-plus is also suitable for retrofitting the window (hidden subframe method). Therefore the profile can be completely plaster finished before mounting the window (see next page). In this case, the Closure Lid remains closed until the window is in place to be mounted.





#### **Processing instructions**



Projecting PUR Sealing Tape acts as sealing material between two profiles.

#### Application of NEO-plus in hidden subframe method (retrofitting window)

The window is mounted after applying the plaster. The Closure Lid is removed only just before mounting the window.

#### Application of NEO-plus, inserted

Remove Closure Lid, insert the profile, fold out fabric, align the profile and fix it with the Plastic Nails to the insulating board, apply fabric filler and embed the fabrics.



Remove the Protective Tab after finishing of plasterworks.





al supplied with the products.

Corner joints of the profiles must be cut to mitre (Mitre-cutting Shears Z11 are useful). To overlap the joining fabric parts a fabric

W36-plus corner joints





The Joint Profile with fabric NEO-pro is used for plaster joints in ETIC systems where bigger equalization movements are expected and when gluing on the window frame is not possible or not desired.

The profile is aligned dry, without fixing mortar along the window frame and fixed in position with the APU Plastic Nail Z21 - behind the fabric part and to the insulating boards (4 nails per meter). The profile is equipped with an expanding PUR Sealing Tape, which is released by tearing off the Closure Lid. The fabric part of 12.5 cm width is welded onto the profile.

The Joint Profile with fabric NEO-pro is also suitable for retrofitting the window (hidden subframe method). Therefore the profile can be completely plaster finished before mounting the window (see next page). In this case, the Closure Lid remains closed until the window is in place to be mounted.




### **Processing instructions**



Projecting PUR Sealing Tape acts as sealing material between two profiles.

#### Application of NEO-pro in hidden subframe method (retrofitting window)

The window is mounted after applying the plaster. The Closure Lid is removed only just before mounting the window.

### Application of NEO-pro, inserted

Remove Closure Lid, insert the profile, fold out fabric, align the profile and fix it with the Plastic Nails to the insulating board, apply fabric filler and embed the fabrics.



Remove the Protective Tab after finishing of plasterworks.



fabric bracket in

the reveal corner

#### W36-pro corner joints

Corner joints of the profiles must be cut to mitre (Mitre-cutting Shears Z11 are useful). To overlap the joining fabric parts a fabric bracket has to be applied. For additional instructions see the manual supplied with the products.







#### W38-pro



### APU Joint Profile with fabric PUR-FIX-pro

for all merchantable windows and doors



The APU Joint Profile with fabric PUR-FIX-pro is used in ETIC systems and window and door systems where bigger equalization movements are expected. The profile can be aligned and set before the insulation is applied.

The profile is equipped with a compressed PUR Sealing Tape, which is released when the protective mechanism is removed and expands directly to the frame component, sealing tight against driving rain. The PUR Sealing Tape is stuck into the profile and has a projection on both ends to seal the contact area between two profiles. For temporary fixation the profile is additionally equipped with a self-adhesive PE tape. A fabric part of 12.5 cm wide is welded onto the profile bar with one-sided overhang lengthways. The Protective Tab with a self-adhesive tape takes up the on-site protective foil to protect the window during plastering. The Protective Tab can then be pulled off, resulting in a neat plaster edge.



**Available packed unit:** 25 bars of 2.40 m = 60.00 m

also available in grey color near RAL 7016







The APU Joint Profile with fabric PUR-FIX-pro-K is used in ETIC systems and window and door systems where bigger equalization movements are expected. The profile can be aligned and set before the insulation is applied.

The profile is equipped with a compressed PUR Sealing Tape, which is released when the protective mechanism is removed and expands directly to the frame component, sealing tight against driving rain. The PUR Sealing Tape is stuck into the profile and has a projection on both ends to seal the contact area between two profiles. For temporary fixation the profile is additionally equipped with a self-adhesive PE tape. A fabric part of 12.5 cm wide is welded onto the profile bar with one-sided overhang lengthways. The Protective Tab with a self-adhesive tape takes up the on-site protective foil to protect the window during plastering. The Protective Tab can then be pulled off, resulting in a neat plaster edge.



25 bars of 2.40 m = 60.00 m also available in grey color near RAL 7016 For detailed information see technical information sheet or visit us on the Internet at www.apu.ch. The most upto-date APU-selection criteria are to be adhered to.





### APU Joint Profile with fabric PUR-FIX-R

for lateral joints to projecting roller shutter systems



The APU Joint Profile with fabric PUR-FIX-pro-R is used in ETIC systems laterally to the guide rails where bigger equalization movements are expected.

The profile is equipped with a compressed PUR Sealing Tape, which is released when the protective mechanism is removed and expands directly to the frame component, sealing tight against driving rain. The PUR Sealing Tape is longitudinally stuck into the profile and has a projection on both ends to seal the contact area between two profiles. For temporary fixation the profile is additionally equipped with a self-adhesive PE tape. A fabric part of 12.5 cm wide is welded onto the profile bar with one-sided overhang lengthways. The Protective Tab with a self-adhesive tape takes up the on-site protective foil to protect the window during plastering. The Protective Tab can then be pulled off, resulting in a neat plaster edge.

Lateral and upper connections must be selected according to the installation situation and the shape of the inspection flap.

**Available packed unit:** 25 bars of 2.40 m = 60.00 m

For detailed information see technical information sheet or visit us on the Internet at **www.apu.ch**. The most upto-date APU-selection criteria are to be adhered to.





Plaster borders in thermal insulation composite systems also require a secure solution with regard to water-guiding and drainage downwards.

The Border Profile DROP-TEX is available in different versions. An appropriate profile can be selected depending on the plaster thickness, for instance.

The APU Border Profile DROP-TEX-ZERO with visible Drip Nose is mounted horizontally for plaster borders of retreating building parts such as window and door reveals. The profile is equipped with a backward shaped Drip Nose for better drainage and two fabric parts. For improved plaster adhesion the surface of the profile edge is bevelled and grooved.

#### Available packed unit:

25 bars of 2.00 m = 50.00 m Plug Connectors are enclosed + 4 Corner Elements Z18-0-a for outer corners and 2 Corner Elements Z18-0-i for inner corners



### Additional advantages

- prevents thermal bridges at plaster corners
- precise plaster edges
- well-directed water guiding

**APU AG** 

- enhanced plaster grip by interlocking profile surface
- no fabric shifting

- flush edges
- perfect profile extensions using Plug Connectors
- neat corners using prefabricated Corner Elements Z18-0 (for inner and outer corners)





The Border Profile DROP-TEX is available in different versions. An appropriate profile can be selected depending on the plaster thickness, for instance.

The straight APU Border Profile with Drip Edge (DROP-TEX-UNO) is mounted horizontally for plaster borders of retreating building parts such as window and door reveals. The Drip Edge forms a flush border after plastering. The profile is equipped with two fabric parts. For improved plaster adhesion, the surface of the profile edge is grooved.

#### Available packed unit:

25 bars of 2.00 m = 50.00 m Plug Connectors are enclosed + 4 Corner Elements Z18-1-a for outer corners and 2 Corner Elements Z18-1-i for inner corners





Plaster borders in thermal insulation composite systems also require a secure solution with regard to water-guiding and drainage downwards.

The Border Profile DROP-TEX is available in different versions. An appropriate profile can be selected depending on the plaster thickness, for instance.

The stepped APU Border Profile with Drip Edge (DROP-TEX-DUE) is placed horizontally for plaster borders of retreating building parts such as window and door reveals. The Drip Edge forms a flush border after plastering. The profile is equipped with two fabric parts. For improved plaster adhesion, the surface of the profile edge is stepped and grooved.

#### Available packed unit:

25 bars of 2.00 m = 50.00 m Plug Connectors are enclosed + 4 Corner Elements Z18-2-a for outer corners and 2 Corner Elements Z18-2-i for inner corners





The Border Profile DROP-TEX is available in different versions. An appropriate profile can be selected depending on the plaster thickness, for instance.

The stepped APU Border Profile with visible Drip Edge (DROP-TEX-TRE) is placed horizontally for plaster borders of revealing building parts. The Drip Edge forms a flush border with a transparent, tapered, visible edge of acrylic glass after plastering. The profile is equipped with two fabric parts. For improved plaster adhesion, the surface of the profile plastering area is stepped and grooved. During the work process, the transparent Drip Edge is covered on both sides with Protective Films.



Available packed unit: 25 bars of 2.00 m = 50.00 m Plug Connectors are enclosed





Plaster borders in thermal insulation composite systems also require a secure solution with regard to water-guiding and drainage downwards.

The Border Profile DROP-TEX is available in different versions. An appropriate profile can be selected depending on the plaster thickness, for instance.

The APU Border Profile for scratched plaster (DROP-TEX-Quattro) with plaster level edge of 11 mm is placed horizontally for plaster borders of revealing building parts. The Drip Edge forms a flush border after plastering. The profile is equipped with two fabric parts. For improved plaster adhesion the surfaces of the profile edge is grooved.







### APU Border Profiles DROP-TEX



Plaster borders in thermal insulation composite systems also require a secure solution with regard to water-guiding and drainage downwards.

The Border Profiles DROP-TEX are available in different versions (see next page). An appropriate profile can be selected depending on the plaster thickness, for instance. The APU Border Profiles DROP-TEX with Drip Edge are mounted horizontally for plaster borders of retreating building parts such as window and door reveals. The Drip Edge forms either a visible Drop Edge or a plaster flush finish completely plastered over.

The profiles are equipped with two fabric parts each. For improved plaster adhesion the surfaces of the profiles are grooved.

### Available packed unit: 25 bars of 2.00 m = 50.00 m

25 bars of 2.00 m = 50.00 m Plug Connectors are enclosed W40-0/-1/-2 also with suitable Corner Elements: 4x outer and 2x inner corners



### Available Border Profiles DROP-TEX

#### **Optional prefabricated Corner Elements**



### W40-0

**DROP-TEX-ZERO** version with visible Drip Nose



#### Z18-0-a/-i

outer/inner edge for W40-0 10 pieces/bag 10 bags/carton

#### Z18-1-a/-i

outer/inner edge for W40-1 10 pieces/bag ns. 10 bags/carton



#### Z18-2-a/-i

outer/inner edge for W40-2 10 pieces/bag 10 bags/carton

Corner joints of the profiles W40-3 and W40-4 must be cut to miter (fine saw or Miter-cutting Shears Z11 are useful).

### Application at masonry jut



### Additional advantages

- prevents thermal bridges from plaster corners
- precise plaster edges
- well-directed water guiding
- enhanced plaster grip by interlocking profile surface
- no fabric shifting
- flush edges with Plug Connectors
- · perfect corner areas with prefabricated Corner Elements Z18 (for inner and outer corners)





### APU Border Profile FEBA-TEX-ATTIKA

with soft, transparent water shield



The border profile FEBA-TEX-ATTIKA forms a clean plaster finish under the window sill, in Attic regions behind sheet metal cladding or similar applications.

The profile is equipped with a fabric part of 12.5 cm wide, welded onto the perforated profile bar with one-sided overhang lengthways. Two profiles are aligned flush and joined together in the contact area with plug connectors. The soft and transparent shield for water repellency allows well directed water guidance.

Available packed unit: 15 bars of 2.00 m = 30.00 m

For detailed information see technical information sheet or visit us on the Internet at www.apu.ch.

W41



### **Application example Attic**



### Other advantages

- easy to handle
- clean plaster finish
- exact edges
- water repellency

\*) follow the guidelines for Plaster Joints to Metal, External Thermal Insulation and ETIC-Systems.







The border profile FEBA-TEX-UNI forms in combination with a second sealing level a clean plaster finish under the window sill.

The profile has 2 plastic legs. The soft and transparent shield for water repellency allows well directed water guidance. Due to the profile design a required angle of at least 5 degrees for window sills is ensured.

The upper even leg without punches is used to apply a suitable sealing foil. With its soft coupling to the lower profile leg different angles can be adjusted. The lower profile leg is equipped with a fabric part of 12.5 cm wide, welded onto the perforated profile bar with one-sided overhang lengthways. Two profiles are aligned flush and joined together in the contact area with plug connectors.



## Application example with PUR sealing tape



Even without a second sealing level the border profile FEBA-TEX-UNI forms a clean plaster finish under the window sill.

The sealing must be ensured by applying a PUR sealing tape on-site onto the upper profile leg.

### Other advantages

- Easy to handle
- Exact edges
- Water repellency





The border profile FEBA-DUO-TEX forms in combination with a second sealing level a clean plaster finish under the window sill.

The profile has 2 plastic legs. The soft and transparent shield for water repellency allows well directed water guidance. Due to the profile design a required angle of at least 5 degrees for window sills is ensured.

Each profile leg is equipped with a welded on fabric part of 12.5 cm wide. The upper leg is used to apply a suitable sealing compound. With its soft coupling to the lower profile leg different angles can be adjusted. The lower plastic leg will be embedded force-fitting with the overlapping facade armor fabrics into the plaster. In addition each leg has an one-sided fabric overhang lengthways. Two profiles are aligned flush and joined together in the contact area with plug connectors.







stones. The Border Profile is also used for shaping decorative plasters.

Fitting Corner Brackets (W14 DECO-TEX) for the corner transitions are available (see next page).

The profile is made of plastic and has elevations of 3 mm (W44-3), 6 mm (W44-6), 10 mm (W44-10) or 15 mm (W44-15).

**Available packed unit:** 25 bars of 2.00 m = 50.00 m





# W44-2

### APU End Profile DECO-TEX-DUE



The APU end profile DECO-TEX-DUE can be used in composite thermal insulation systems as a bottom plaster edge or as a horizontal plaster separator.

The profile with drip edge has a stepped cross-section with 2 plaster level edges. The first edge defines the plaster layer thickness of the reinforcement layer, the second edge is used for leveling the final plaster. The profile projecting downwards forms a drip edge for a targeted water flow. A fabric strip 12.5 cm wide is welded to the profile. Each bar has a protruding area of fabric in the longitudinal direction.

**Available packed unit:** 25 bars of 2.00 m = 50.00 m





This pofile is slipped over sheet metal joints (e.g. roof borders) resulting into a movable water-proof joint between the plaster and sheet metal due to its hollow chamber. The sheet metal's equalization movements are buffered by the profile which prevents cracks in the plaster. The finished plaster edge (W45-8 for 8 mm plaster thickness and W45-11 for 11 mm plaster thickness) ensures a well-directed water guiding.

The profiles are joined together with Plug Connectors Z13 and thus form an aligned flush edge

The sheet metal Connecting Profile W45 is made of plastic and equipped with a welded on fabric part. Each profile has an one-sided fabric overhang lengthways.

Available packed unit: 25 bars of 2.00 m = 50.00 m Plug Connectors are enclosed For detailed information see technical information sheet or visit us on the Internet at www.apu.ch.

W45-8

W45-11











### APU Sheet Metal Connecting Profile PUR-FIX



This APU Sheet Metal Connecting Profile PUR-FIX is applied at sheet metal joints (such as roof border-finishing) where movements are expected. The integrated PUR sealing tape enables a movable joint between the plaster and sheet metal.

The profile is equipped with a compressed PUR Sealing Tape, which is released when the protective mechanism is removed and expands directly to the sheet metal, sealing tight against driving rain. The PUR Sealing Tape is longitudinally stuck into the profile and has a projection on both ends to seal the contact area between two profiles. For temporary fixation the profile is additionally equipped with a self-adhesive PE tape. A fabric part of 12.5 cm wide is welded onto the profile with one-sided overhang lengthways.

The profiles are joined together with Plug Connectors Z15 and thus form an aligned flush edge.



Available packed unit: 25 bars of 2.00 m = 50.00 m Plug Connectors are enclosed For detailed information see technical information sheet or visit us on the Internet at www.apu.ch.

W46





### APU Movable Joint Profile DUO-TEX



This profile is used for small component movements like between row houses or interior drywalls.

The Movable Joint Profile consists of two plastic profiles with an extruded flexible **TPE Movement Strip**. On both sides of the profile, there are fabric parts welded on by UV method. The Movement Strip is covered with an adhesive Protective Film, which is simply pulled off after the plastering/painting work, so, a neat transition is formed. Due to the flexible Movement Strip, the profile can be used on even surfaces as well as in inner/outer corners.

The profile is set with fixing mortar (construction adhesive) onto the insulation board or into the stud wall joint. The length can be trimmed with shears.

Available packed unit: 25 bars of 2.00 m = 50.00 m







### APU Expansion Joint Profile DUO-TEX

flush aligned expansion joints on flat surfaces and in corners



The Expansion Joint Profile consists of two plastic profiles with plaster level edges and a Sealing Joint Loop made from flexible fiber-reinforced plastic foil. Both sides are equipped with fabric parts approved for ETIC systems, UV welded onto the profile.

In the contact area of the profiles, the projecting part of the Sealing Joint Loop (approx. 5 cm) overlaps with the Sealing Joint Loop of the following profile. The contact area between two profiles is aligned and joined using Plug Connectors Z13. The Expansion Joint is visually closed with the Cover Profile Z22-F for even surfaces or Z22-E for corners.

The DUO-TEX Expansion Joints and Cover Profiles are trimmed with APU shears. The plaster level edges form a secure plaster finish and must be cleaned with a damp cloth immediately after finishing the final plaster. The Cover Profiles Z22 can be painted with acrylic paint.

The Expansion Joint Profile W51 is intended for corners, and the profile W52 for surfaces.



Available packed unit: 25 bars of 2.00 m = 50.00 m Plug Connectors are enclosed





### Additional advantages

- neat border
- flush edges
- easy to process
- enhanced plaster grip due to the grooved profile

**Application examples** 

W51 for inner corner



Flat profile can be used by bending in a right angle also like W52 for applications on even surfaces.

### W52 for even surface



The joint can be covered with profile Z22-F (more information in the Z22 product brochure)







### **APU Expansion Joint Profile DUO-TEX**

flush aligned expansion joints on surfaces and interior corners



The Expansion Joint Profile consists of two plastic profiles with plaster level edges and a Sealing Joint Loop made from flexible fiber-reinforced plastic foil. Both sides are equipped with fabric parts approved for thermal insulation composite systems, UV welded onto the profile.

In the contact area between two profiles, the projecting part of the Sealing Joint Loop (approx. 5 cm) overlaps with the Sealing Joint Loop of the following profile (see next page). The contact between two profiles is aligned flush and joined using Plug Connectors Z13. The Expansion Joint is visually closed with the Cover Profile Z22-F for even surfaces or Z22-E for corners.

The DUO-TEX Expansion Joints and Cover Profiles are trimmed with APU shears. The plaster level edges form a secure plaster finish and must be cleaned with a damp cloth immediately after finishing the final plaster. The Cover Profiles Z22 can be painted with acrylic paint.

### Available packed unit:

W51/W52: 25 bars of 2.00 m = 50.00 m Plug Connectors are enclosed (Z22: 25 bars of 2.10 m = 52.50 m to order separately)



#### **Application examples**

#### Additional advantages

- neat border
- flush edges
- easy to process
- enhanced plaster grip due to the grooved profile

### Instructions for profile overlapping



Mount the first profile beginning at the bottom, plug in the Plug Connectors Z13. Then guide the next profile into the Sealing Joint Loop of the profile below and press downwards on the Plug Connectors Z13.

can be covered with the Cover

### Even surface W52

### Corner W51

Profile Z22-E

the joint for the even surface can be covered with the Cover Profile Z22-F



# **APU AG**



### APU Connecting Profile ATTIKA



Thermal insulation composite systems (ETICS), which are guided towards the attika metal cover or the roof edge border, require a sealed transition between the thermal insulation composite systems and the sheet metal joint. Such transitions can be easily and securely established with the APU Connecting Profile ATTIKA.

The profile consists of a combination of two proven APU Flat Profiles, which are joined together by a fabric reinforced Sealing Foil. The Flat Profile provided with the fabric part is fixed with fixing mortar to the insulation board, the narrow Flat Profile provided with a strong self-adhesive PE Sealing Tape is glued into the fold of the sheet metal on the opposite side.

In the contact area between two profiles, the projecting part of the Sealing Foil overlaps with the Sealing Foil of the following profile and is additionally sealed with adhesive tapes after installation.



Available packed unit: Attika Joint Profile: 25 bars of 2.00 m = 50.00 m Adhesive foil components: 120 x 80 mm



#### Additional advantages

- sealed Attika joint
- easy to process
- neat plaster border
- flush edges
- well-directed water guiding

To realize inner/outer corners prefabricated Corner Elements can be made with the product enclosed instructions (example see next page).

For detailed procedure information contact your manufacturer of plasters and systems.



### Application example in thin plaster









### Instructions for preparing corner parts

Note: Patterns for cutting shapes, detailed instructions and adhesive foil are enclosed with the profie package.

### Example: Preparing a Corner Element for inner corners (90°)

- 1 Trimming two approx. 25 cm long profile elements A and B with APU Shears Z12 and cutter knife.
- 2 For the profile element A after placing the pattern "inner corner LEFT" draw the contour with a pencil and trim it to size with shears and cutter knife.
- 3 For the profile element B after placing the pattern "inner corner RIGHT" draw the contour with a pencil and trim it to size with shears and cutter knife.
- 4 Assemble the profile elements A and B at the cutting edge not overlapping on each other and glue the joint with the adhesive tape.
- 5 Fold both profile elements along the plaster profile over the cutting edge towards the front until both fabric parts are at right angle to each other. The Sealing Foils, round cut under 2. and 3., are now joined with each other. Seal the 90° profile joint with the enclosed adhesive tape.

All mounting areas must be dry and free from dust and grease.

When mounting the continuing profiles pay attention to overlap the Sealing Foils at the contact area. If overlapping fails, the joint can be sealed with the enclosed adhesive tape 120x80 mm (if necessary cut the adhesive tape to suitable size).





For outer corners relevant templates are enclosed with the profiles.



The Expansion Joint Profile consists of two Bottom Parts and a flexible Top Part made of plastic with plaster level edges and a co-extruded soft TPE Expansion Part and is, thus, flexible longitudinally and laterally. On both sides the profile is equipped with ultrasonically welded glass fiber fabric parts approved for ETIC systems.

The MOVI Expansion Joint Profiles are processed with the APU Trimming Shears. For better sealing and flush alignment the Top Part of the profiles are slid in the contact area overlapping on the next profile and the joint underlayed with a piece of PUR Sealing Tape (see next page). The plaster level edges form a secure plaster joint. Remove the Protective Film after finishing the final plaster and clean the surface of the plaster level edges with a wet sponge immediately.

The flexible Expansion Joint Profile W56 is suitable for even surfaces and corners.



Available packed unit: 25 bars of 2.00 m = 50.00 m





### **Connecting profiles**

Alingn the following profiles with a butt joint close together. Underlay with a piece of PUR or butyl sealing tape in the contact area behind 2 profiles. The profile's ability to move must not be affected.





### APU slide bearing profile PUR-FIX



The APU slide bearing profile is used in ETIC systems in buildings with various building materials (e.g. adding another level to solid construction with wood).

Because of the decoupled solution, movements (pressure: up to 4 mm, shearing strain: up to 2 mm) can be absorbed. Other profiles must be used for larger movements. The anticipated movements must be requested from the respective planner.

The APU slide bearing profile consists of 2 plastic profiles, each with a welded on fabric part of 12.5 cm width and one-sided fabric overhang in the longitudinal direction. The profile is equipped with a pre-compressed PUR sealing tape, which is released by removing the activation tab. It then absorbs movements and seals against driving rain. The PUR sealing tape is inserted into the profile and has an overhang for joint sealing at the end of the profile. Plug connectors ensure that the profiles are flush when connected.





# W60

### APU Connecting Profile SOLI-TEX

with waterguiding Drip Nose



This profile is suitable for plaster joints to shutter housings. The profile is glued on the projecting metal edge of the housing and connected between 2 profiles with APU Plug Connectors Z13. The APU Connecting Profile W60 can also be used at sheet metal transitions of stepped component parts (e.g. transition from house wall to garage).

If the profile is guided around corners use the therefore intended, prefabricated APU Corner Elements Z18-0.

Available packed unit: 10 bars of 2.10 m = 21.00 m Plug Connectors are enclosed


Profiles for external thermal insulation composite systems "ETICS"



# APU Base Rail SOLI-TEX

Base Rail System made of plastic + Connecting Profile with fabric and waterguiding Drip Nose



Base Rail made of plastic with stepped bending to take up its counterpart self-adhesive Connecting Profile with fabric (fabric width 12.5 cm) and Drip Nose. Suitable for insulation thicknesses of 50-200 mm in the ETIC system with rigid foam/mineral fiber boards and fabric layer with filler of 4–8 mm. For improved adhesion of the fillers the transition to the Drip Edge is grooved.

The plastic Base Rail is fastened mechanically with impact dowels, the enclosed Connection Profile with fabric is glued with the self-adhesive PE Sealing Tape onto the stepped bending, overlapping the contact area between the Base Rails at least 10 cm. The bended surface must be dry and free from dust. To align the profile with fabrics, lift off starter tabs of the Protective Paper from the self-adhesing Sealing Tape approx. 5 cm on both ends to the front of the Connecting Profile and align it with the insulation boards. Next step pull out the whole Protective Paper and press the profile W60 firmly down against the Base Rail. Using the Rail Connectors Z61 and the Plug Connectors Z13 the components are joined together fitting flush. Corners are formed with the Corner Elements Z18-0-i/-a for inner/outer corners.

#### **Delivery form:**

Base Rail System W61 with self-adhesive W60 Connecting Profile SOLI-TEX (Plug Connectors and Rail Connectors are enclosed)

S61 10 rails of 2.00 m = 20.00 m optional outreaches from 50 to 160 mm
W60 10 pieces of 2.10 m = 21.00 m (For details see next pages)



# **Application examples**

#### Processing



with accessories for insulation thicknesses of 50 to 200 mm

# Standard delivery components per packed unit W61



for insulation thicknesses of 50–160 mm



W60 Connecting Profile

self-adhesive joint profile

10 pieces of 2.10 m per

**SOLI-TEX** 

with fabric

pack



# N





## Z61 Rail Connector H-shaped

for 2.5 mm profile wall thickness,

1-2 bars of 2.00 m, per pack, depending on the Base Rail outreach

## Accessories optional



+ 40 mm 1 insulation thickness



#### W63 Extension

clasp-on profile for insulation thicknesses > 160 mm up to max. 240 mm (= 2 extensions) 10 pieces of 2.00 m

**Z18-0-a** Corner Element for outer corner

10 pieces/bag 10 bags/pack

# Z18-0-i Corner Element for inner corner

10 pieces/bag 10 bags/pack

## **Application instructions**



To align the profile with fabrics/Connecting Profile, lift off starter tabs of the Protective Paper from the self-adhesing Sealing Tape approx. 5 cm on both ends to the front of the Connecting Profile (W60) and align it with the insulation board: Push the Connecting Profile under the insulation board (overlapping the contact area between the Base Rails). Pull off Protective Paper completely using the starter tabs and press the Connecting Profile and Base Rail together along their entire length.



Cut the corner parts of Base Rails in place using a Multimaster tool (type FEIN).



Cut the Extension W63 in the same way and clip it onto the finished mounted Base Rail S61 (first clip on one end, then press the extension towards the other end into position - see illustration - for easier working).



with accessories for insulation thicknesses of 50 to 200 mm

### Possible profile combinations



Drip Edge (usage of Corner Elements **218-0** is possible)

#### optional



Extension for additional 40 mm insulation thickness example: 160 + 40 ≜ insulation 200

#### Mounting instruction

- Fix the Base Rail (2.00 m, 50–160 mm) (with impact dowel or similar). For a transition without displacement fix Rail Connectors Z61 between the Base Rails.
- 2 For insulation thicknesses > 160 mm use the Extension W63 (+40 mm).
- Mount the insulation board.
- 4 Mount the delivery included profile with the self-adhesive PE Sealing Tape on the bent tab of the Base Rails, offset at least 10 cm to the contact area between Base Rails as follows: The bending surface must be dry and free from dust. Pull the Protective Paper approx. 5 cm on the left and right, align the Connecting Profile with fabric between the insulation board and Base Rail. Press down on both sides, completely remove the Protective Paper, then press the Connecting Profile with fabric the Base Rail along its entire length.

5 Plug Connectors Z13 are used to make a flush fitting with the Connecting Profiles.

 Corners are formed using Corner Elements Z18-0.





Profiles for external thermal insulation composite systems "ETICS"



# **APU Base Rail SOLI-TEX**

Base Rail System made of plastic with Clasp-on Profile with fabrics



The Base Rails are made of plastic with a stepped bending for taking up a Clasp-on Profile with fabric and Drip Edge (fabric width 12.5 cm). It is suitable for insulation thicknesses of 50-200 mm in thermal insulation composite systems with rigid foam/mineral fiber boards and fabric filler of 4–8 mm. For improved adhesion of the plasters the transition to the Drip Edge is grooved.

The plastic Base Rail is fastened mechanically with impact dowels, the enclosed Clasp-on Profile with fabric is plugged onto the stepped bending, overlapping the contact area between the Base Rails at least 10 cm. Using the Rail Connectors Z61 and the Plug Connector Z13 the components are joined together flush. Corners are formed with the corresponding Corner Elements for inner/outer corners Z18-0 / Z18-1 / Z18-2.

## Available packed unit:

10 bars of 2.00 m = 20.00 m, enclosed are Plug Connectors, Rail Connectors, 2 Corner Elements for outer and 1 for inner corners (detailed assembly see exemple box next page) For detailed information see technical information sheet or visit us on the Internet at www.apu.ch.







# **APU AG**

with accessories for insulation thicknesses from 50 to 200 mm

# Standard delivery components per packed unit



# <u>A</u>

**Z13 Plug Connectors** enclosed in a bag



#### Z61 Rail Connector H-shaped

for 2.5 mm profile wall thickness,

1-2 bars of 2.00 m per pack, depending on the Base Rail outreach

## Processing instructions



Cut the corner parts of Base Rails in place using a Multimaster tool (type FEIN).



Cut the Extension W63 in the same way and clip it onto the finished mounted Base Rail S61 (first clip on one end, then press the Extension towards the other end into position - see illustration - for easier working).



The Clasp-on Profiles W62 are slid in below the insulation board onto the stepped bending and aligned in a flush direction into the fixing mortar with Plug Connectors Z13 between two profiles. The Clasp-on profiles should alsways be installed overlapping the Base Rail joints for stabilization.



with accessories for insulation thicknesses from 50 to 200 mm

#### Mounting instruction

- Fix the Base Rail S61 with impact dowels (3 pieces/m) or similar. If necessary place spacers (distance washers) to level uneven masonry areas. For a transition without displacement fix Rail Connectors Z61 between the Base Rails.
- For insulation thicknesses > 160 mm use the Extension
   W63 (+40 mm per Extension).
- 3 Mount the insulation board.
- Mount the enclosed Clasp-on Profile (W62-0/-1/-2/-4) below the insulation panel onto the stepped bending of the Base Rails at least 10 cm offset to the contact area between the Base Rails. Align the Clasp-on Profile.
- 5 The Clasp-on Profiles are connected together using the Plug Connector Z13 to make a flush fitting.
- Internal and external corners are formed using Corner Elements Z18-0/Z18-1/Z18-2.



Multimaster tool



W63 Extension clasp-on profile,

to 200 mm,

outer corners 10 pieces/bag, 10 bags/pack

inner corners

10 pieces/bag, 10 bags/pack

for insulation thickness up

10 pieces of 2.00 m

prefabricated Corner Elements for W62-0

Z18-0-a Corner Element for

Z18-0-i Corner Element for

with accessories for insulation thicknesses from 50 to 200 mm

## Accessories optional



insulation thickness







AIR

Elements for W62-1 Z18-1-a Corner Element for

prefabricated Corner

outer corners 10 pieces/bag, 10 bags/pack

**Z18-1** Corner Element for inner corners 10 pieces/bag,

10 bags/pack



**Z18-2-a** Corner Element for outer corners 10 pieces/bag, 10 bags/pack

prefabricated Corner Elements for W62-2

## **Z18-24 Corner Element for inner corners** 10 pieces/bag,



# Possible Clasp-on Profiles



Profiles for external thermal insulation composite systems "ETICS"



APU Clasp-on Profiles SOLI-TEX with Drip Edge

tor W62-1 cut overlapping facade fabrics

along the lower edge side, for the other versions on the grooved surface

Plaster borders in thermal insulation composite systems also require a secure solution with regard to water-guiding and drainage downwards.

The APU Clasp-on Profiles SOLI-TEX W62-0, -1, -2 and -4 are used for rails up to 2.5 mm thickness on horizontal plaster borders at revealing component parts. The profiles are formed as covered or visibel Drip Edges for advanced drainage. The welded on fabric part forms the forceclosed joint with the facade fabric. For improved plaster grip the edges are sloping downward or stepped (W62-0, -2, -4) and grooved (all versions). For wide objects the profiles are joined with Plug Connectors Z13 to enable flush alignment.



Available packed unit:

10 bars of 2.10 m = 21.00 m Plug Connectors are enclosed







# SOLI-TEX Extension

accessory to Base Rails S61, W61



Cut the plastic Base Rail Extension W63 with Trimming Shears or suitable tools and clasp it onto the finished mounted Base Rail (first clip on one end, then press the Extension towards the other end into position - see illustration - for easier working). Set the extensions always offset to the contact area between two Base Rails.





Profiles for external thermal insulation composite systems "ETICS"



APU Base Insertion Profiles REPO-TEX with fabric part



The plastic Base Insertion Profiles REPO-TEX are universally used for base rails with trough or T formed borders.

The use of these Base Insertion Profiles with a variaty of Drip Edges prevents the plaster coating contacting the metal base rail. Movements between the plaster joint and the metal profile are buffered. Unwanted fabric overhangs beyond the plaster edge are avoided. The shape of the Drip Edge ensures well-directed waterguiding and drainage downwards.

The profiles are supplied with different shapes and Drip Edges according to the application purpose with visible or covered Drip Edges, slope, straight or stepped shape or for applications with scratched plaster.

The Base Insertion Profiles should be mounted overlapping the contact area between two base rails. The REPO-TEX profiles are joined together with the proven APU Plug Connector Z13 for flush aligned borders.



Available packed unit: 20 bars of 2.50 m = 50.00 m Plug Connectors are enclosed For detailed information see technical information sheet or visit us on the Internet at www.apu.ch.





## Base Insertion Profiles with different metal base rails

(Examples of commercial metal rails)



Profiles for external thermal insulation composite systems "ETICS"



APU Base Edge Profiles SOKA-TEX

for all insulation thicknesses in the base area



The plastic Base Edge Profiles SOKA-TEX are extended border profiles with Drip Edge and Plug Connectors.

They are used if a perimeter insulation is present and the wall insulation is mounted afterwards. The profile is slid between both insulation plates.

If the base insulation is retrofitted, the wall insulation board must be set onto the self-adhesive plastic Mounting Brackets Z16 (2 pieces per running meter). Brackets are available with suitable outreaches for the different insulation thicknesses. The flush aligned contact joints of the profiles is made with the enclosed Plug Connectors Z13. **Application with insulation thickness more than 160 mm must have a perimeter insulation preinstalled**.

To make crack-proof corners, the profiles are joined with prefabricated Corner Elements Z18-0-i/-a, Z18-1-i/-a or Z18-2-i/-a (for inner/outer corners) - depending on the Edge Profile shape being used. In the corner formation using a Corner Bracket with fabric (W11, W13, W15), the fabric parts of the Corner Bracket and Base Edge Profiles overlap each other.

#### Available packed unit:

W66-0 to -4: 25 bars of 2.00 m = 50.00 m enclosed are Plug Connectors + 4 outer and 2 inner Corner Elements (no Corner Elements available for W66-4)

For detailed information see technical information sheet or visit us on the Internet at www.apu.ch.

# **APU AG**

#### Standard delivery package

## SOKA-TEX plastic Base Edge Profile

50 running meters per pack with Plug Connectors enclosed





The plastic Base Edge Profile SOKA-FIX is an extended border profile with Drop Edge and Plug Connectors.

It is used if a perimeter insulation is present and the wall insulation is mounted afterwards. The profile is pushed between the two insulations and secured with Plastic Nails Z21 into the insulation. Underneath, towards the perimeter insulation, the profile is sealed using a PUR tape or a suitable APU profile. If the base insulation is added later, the wall insulation boards must be set on the self-adhesive Mounting Brackets Z16 (2 pieces per running meter). The Mounting Brackets have fitting outreaches for the respective insulation thicknesses. The flush joint of the Base Edge Profiles is achieved using the enclosed Plug Connectors Z13.

In order to create crack-free corners, the profiles are connected together using Corner Elements Z18-2-i/1 (for inner/outer corners).

When forming the corner with a Corner Bracket with fabric (e.g., W11), overlap the fabric parts of the Corner Bracket and the Base Edge Profile.

## Available in packed units:

25 bars of 2.00 m = 50.00 m enclosed are Plug Connectors, Plastic Nails, 4 outer and 2 inner Corner Elements For detailed information see technical information sheet or visit us on the Internet at www.apu.ch.



## Zubehör optional



**APU AG** 

Profiles for external thermal insulation composite systems "ETICS"



# APU Plug-in Profile for Plastering Boards



The plastic APU Plug-in Profile W80 for plastering boards with thickness of 10, 12, 15 and 20 mm is used for shutters/lamellar blind boxes as plaster border profile.

The profile W80 is equipped with a welded fabric part that is plastered overlapping with the facade fabric. Prolonging profiles can be flush connected using Plug Connectors. To fix to the plastering boards, the arms of the profile are prestressed and additionally, a self-adhesive PE Sealing Tape is applied.

To improve plaster adhesion, the profile is grooved and perforated, 2 plaster level edges simplify applying filler and final plaster. The stepped Drip Edge is used for waterguidance and forms a neat, exact plaster edge.



Available in packed units: 25 bars of 2.00 m = 50.00 m

For detailed information see technical information sheet or visit us on the Internet at www.apu.ch.



#### **Application examples**

#### Lamellar blind box





Profiles for external thermal insulation composite systems "ETICS"

APU joint flank profile

with fabric 12.5 cm



The W81 joint flank profile is used for flush-fitting plaster connection of projecting components such as window and door elements or frames in ETIC systems. The profile forms a flush and clean plaster finish. It is placed directly to the insulation at a distance from the component. The driving rain-proof sealing (e.g. using a PUR sealing tape) is not included in the scope of delivery and must be carried out according to the planning and dimensioning of the respective manufacturer's specifications.

The profile is equipped with a 12.5 cm fabric strip. Each bar has a 10 cm protruding area of fabric in the longitudinal direction. The enclosed Z14 plug connectors connect the profiles flush in the joint area. The corners are constructed with Z81 pre-fabricated corner pieces.

#### Available in packed units:

15 bars of 2.50 m = 37.50 m PUR tape not included in the scope of delivery Optional accessories: Z81-000 APU joint flank profile corner piece 5 pieces = 1 pack For detailed information see technical information sheet or visit us on the Internet at **www.apu.ch**.

W81







# APU Trimming Shears with supporting surface for processing the Base Edge Profile W66





The plastic Base Edge Profile W66 SOKA-TEX should be cut to size with this shears. It can also be used for all other APU plastic profiles.



**Delivery form** on request







# APU Mitre Cutting Shears

for precise miter cuts





The Trimming Shears with a wide locating surface and marks of common mitre angles allows easy miter cutting for plastic profiles.



**Delivery form** on request







# APU Trimming Shears with supporting surface for trimming fillets





APU Fillets and APU Corner Brackets with fabric parts are cut to length with the APU Trimming Shears.



**Delivery form** on request



Accessories



# APU Plug Connectors for Profiles for thermal insulation composite systems



To create a secure, flush installation of APU profiles the APU Z13, Z14 or Z15 Plug Connectors are inserted into the hollow space at the corresponding profile's end up to the flange and the next profile is slipped over the Plug Connector.









for:



**Delivery form** 

the Plug Connectors are enclosed with the profile packs in sufficient quantity





Plastic Mounting Bracket with self-adhesive hotmelt-pads. The Bracket is 50 mm wide and available in outreaches of 60 and 120 mm. Application instructions see under APU Base Edge Profiles W66 product brochures.

Available packed unit: per pack 4 bags of 25 pieces = 100 pieces



Z16





Z18-0

Z18-1

Z18-2

Z18-4

**APU AG** 

Accessories



# APU Mounting Rail Z20 for Base Edge Profiles W66



The APU Mounting Rail Z20, which is available in 3 different outreaches, forms along with the APU Base Edge Profiles W66 a closed surface bordering the ETIC system for insulation thicknesses of 50 to 300 mm (application with insulation thickness more than 160 mm must have a perimeter insulation preinstalled).

In order to plan a suitable configuration see the next page.

(For further information on the W66 profiles see the W66 brochures or visit us under www.apu.ch)

## Available packed unit:

 Z20:
 15 rails of 2.00 m = 30.00 m

 W66-0 to -4:
 25 bars of 2.00 m = 50.00 m (optional)

 Z23:
 25 bars of 2.00 m = 50.00 m (optional)



Application with insulation thickness more than 160 mm must have a perimeter insulation preinstalled.



**Z20** 

50/100/160

#### **Application examples**

Standard application (DS 50 to 200 mm) application with insulation thickness more than 160 mm must have a perimeter insulation preinstalled Passive house construction (DS 200 to 300 mm) a preinstalled perimeter insulation is required



## Accessories



# APU Plastic Nail Z21 for perforated profiles<sup>\*</sup>)



The APU Plastic Nail Z21 simplifies setting of profiles in thermal insulation composite systems.

The profiles are aligned without the fixing mortar between the insulation and frame, the fabric is folded out, the profile pressed in and the Plastic Nail is pressed through the hole in the profile into the insulation board. By applying the fabric filler the profile fabric and facade fabrics of the thermal insulation composite system are embedded overlapping into the filler.

For each profile at least **4** Plastic Nails per running meter must be used.



Available packed unit: per pack 20 bags of 50 pieces = 1000 pieces

ne fixing nd frame, pressed in ough the on board. ofile fabric al insulation d overlap-Nails per

Example

W36-plus



APU Plastic Nail Z21

min. 4 pieces/meter

\*) not to be used for vacuum insulation boards Instead, use hotmelt adhesive pads or similar product for fixing.

221-brochure/F34/HF-KT/08.18 subject to changes without notice

**APU AG** 

**Z2**1



# Cover Profile for Expansion Joints accessory for Expansion Joint Profiles W51, W52



If the open Expansion Joint Profiles W51, W52 need to be covered for optical effects the Cover Profile Z22-E for inner corners and Z22-F for even surfaces can be used.

For a dense fitting of the profiles Z22 an empty space of 20 to 25 mm between the insulation boards must be maintained.

The profile can be painted over.

Both Cover Profiles Z22-E/-F can be procured from the plaster or system manufacturer.



**Order No.:** Z22-E-2100 Z22-F-2100



Accessories



# APU Plastic Extension Z23 for Base Edge Profiles W66



The APU Extension Z23 made of plastic extends the outreach of the APU Base Edge Profiles W66 by 30 to 50 mm. In combination with the Base Edge Profile, two Extensions and the Mounting Rail Z20-160 mm insulation thicknesses up to 300 mm can be achieved. **Application with insulation thickness more than 160 mm must have a perimeter insulation preinstalled.** 

To determine a suitable configuration, see the overview next page.

(For further information on the profiles W66, Z20 see the relevant brochures or visit us under www.apu.ch)

Available packed unit: 25 bars of 2.00 m = 50.00 m



#### Mounting example

# application with insulation thickness more than 160 mm must have a perimeter insulation preinstalled



### Possible extensions



# Example of insulation thickness 300 mm a preinstalled perimeter insulation is required







# APU Rail Connector Z61 for Base Rails S61 and Z20



The Rail Connector Z61 simplifies flush aligned displacement-free aligning of base/mounting rails with material thickness up to 2.5 mm. For this, portions of the bars are cut with Trimming Shears Z12 as required.

1 or more bars of 1 m are enclosed with the packages of the APU Base and Mounting Rails in adequate quantity, according on the rail outreaches.



Available packed unit: 20 bars of 1.00 m = 20.00 m

