



# H.R. ProFix Facadefixing-technic



Fixing guide to the ProFix aluminium profile-track  
facade fixing system



**Number of the technical permission: A-9/2001**

**Number of pattern: 3 001**

**European pattern number: PCT/HU2006/00017**



**New**

**Loading**  
Per fixing points:  
0,3 kN

**Base material**  
Aluminium  
AlMgSi 0,5

**Size of console**  
General protrusion:  
up to 220 mm

***H.R. ProFix Facadefixing - technic Ltd.***

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## Visible flap-fixing



## Invisible flap-fixing





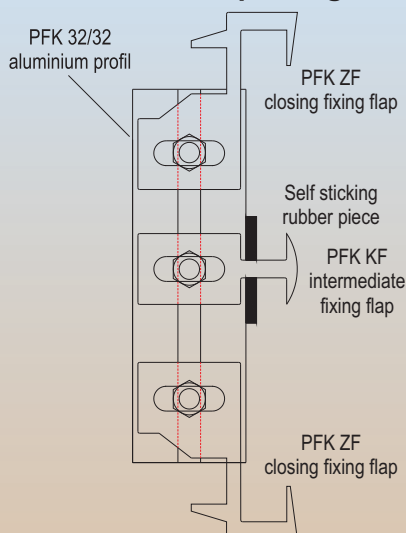
# H.R. ProFix Facadefixing-technic



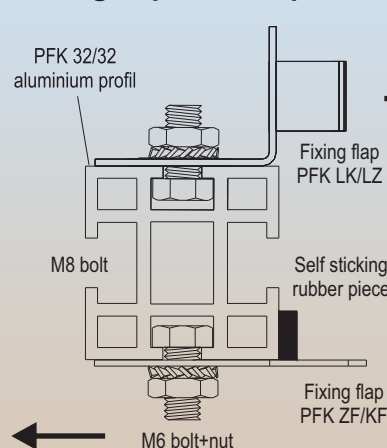
## Constructing guide:

1. After controlling the sizes of the building, appoint the vents and mark the vertical interstice of the covering rows. At same time mark the fixing points of the vertical profile tracks. Calculating the necessary supporting elements depends of the weight of the facade covering and other loads. The profiles must be supported least at two points. In case of fixing profiles from the sides the profile must be supported from both sides. Distance between two profile-supporting can be max. 75 cm. During installing, because of the quality of the background it can occur we have to decrease the load on one supporting point. In this case we have to increase the number of fixing points.
2. If the background has thermal isolation, cut a hole into the isolation for the flagstone fixing elements, put away and if possible place the cutted isolation back.
3. After marking drill leveled fixing points by anchor-table. Because of the precision of the bore-diameter use only fitted drill-bit. Don't use hammer-drill on porous or hollow brick background. Clean the bore and place the anchor in. Fix the support element using regular or serrated washer, which protects against the vertical moving.
4. Fix the support elements on background, fasten the profile-track and set it to take consideration of thermal isolation, air-space and thickness of the covering material. If necessary connect two profiles together with proper elements, but take care of dilatation gap, which must be least 1 cm in every 3 m. The tightening torque of the M8 bolts – used at connection points of supporting elements and profiles -is 15Nm.
5. If the vertical profile-track fixed from side to the supporting element, make sure the supporting elements don't clog installing the fixing flaps. If necessary drill a Ø13 hole on the side of the profile, this will ensure you can place fixing bolts of the flaps..
6. We can compensate the irregularity of the background at the connection points of the profile-tracks. Set the vertical position of the covering plates by moving the fixing flaps in the profile-track. Some of the supporting elements allow of turning perpendicular to the background. We can carry out this with setting the special swivel connected mechanism.
7. The upper side of the lower flaps carry the load of the covering plates. The lower side of the flaps hold the nether plates against the listing in- or out. Place rubber piece between the profile-track and ceramic plate – if necessary in double – to avoid the blast of the wind. Pay attention to installing, tight the covering plate to the profile track with the fixing flap, make sure the flap is perpendicular. The tightening torque of the M6 bolts – used for fixing flaps – is 5 Nm. Use jagged rimmed or serrated washer for fixing the flaps on the profile-track.
8. Because of the dilatation moving leave minimum 2 mm maximum 5 mm gap between the covering plates in vertical direction. You can use spacer, but make sure you remove them after fixing.
9. If the background has low hardness place under-supporting plate between the background and support element. This will prevent the supporting element dip-in to the background wall.
10. The built-in complementary fixing elements must have Building Industry Technical Permission issued by ÉMI.

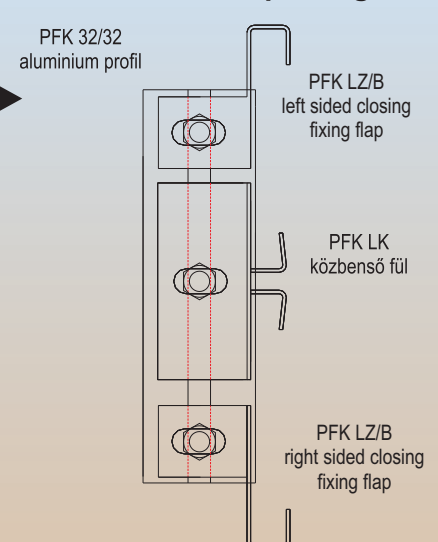
### Visible flap-fixing



### Fixing flaps on the profile



### Invisible flap-fixing





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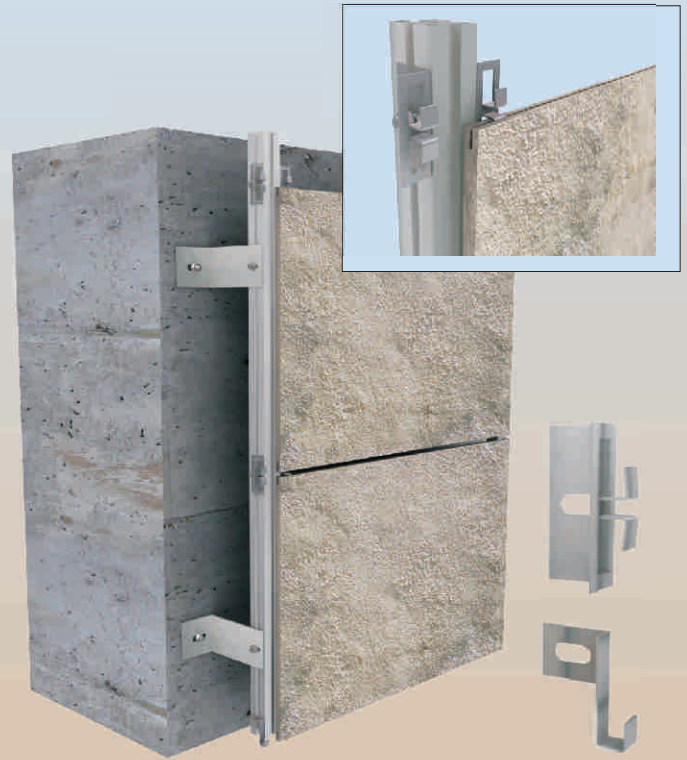


## Main usingpatterns

1. Visible plate fixing using PFK KF/ZF flaps



2. Fixing slotted ceramic plate using PFK LK/LZ flaps



3. Fixing flagstones using DPXL fixing clamp



4. Fixing klinker plate using PFK-KLF flap

