



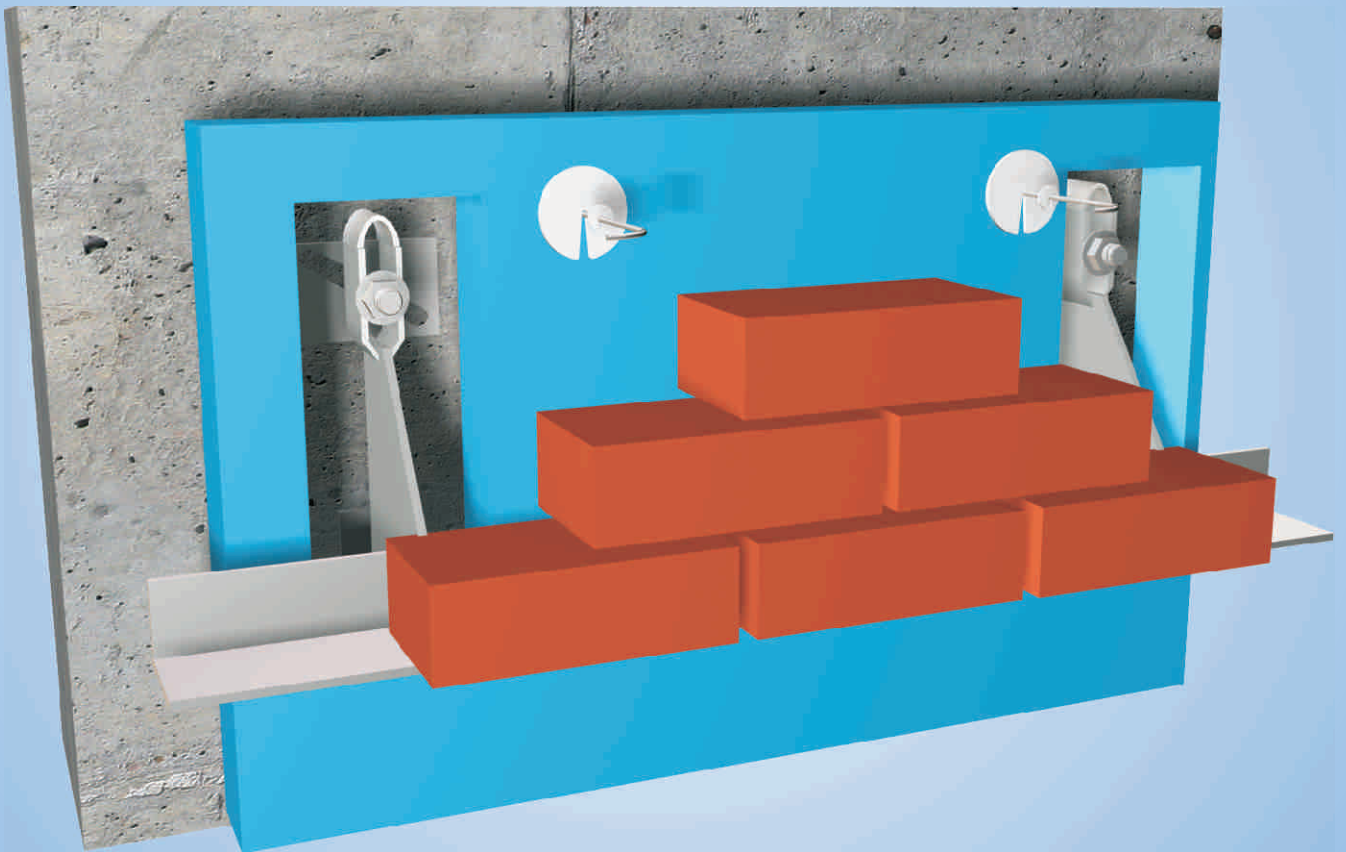
# H.R. Profix Facadefixing - technic



## Fixing guide to the wall-holding support profil console of ProFix system



Number of Building-industry Technical Permission: A-9/2001



### Loading

Per fixing points:  
3,5 kN 7,0 kN 10,5 kN

### Base material

Stainless steel:  
KO-33 (A2), KO-35 (A4)

### Size of console

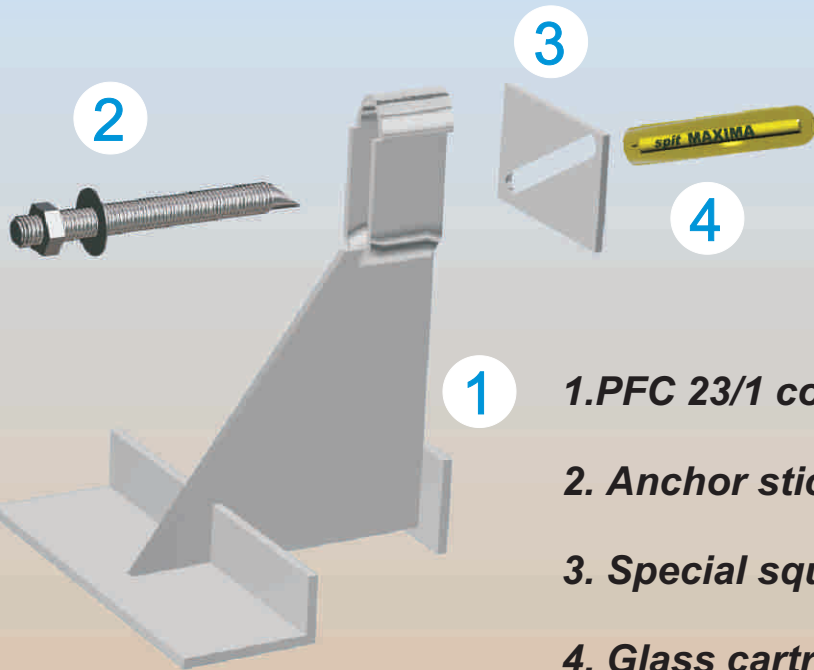
General protrusion:  
150 - 290 mm-ig

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

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1. PFC 23/1 console

2. Anchor stick with nut and circle washer

3. Special square washer for height setting

4. Glass cartridge

Típus	Console protrusion (k)	Fixing height (r)	Loading (G)	Anchor
PFC 23/1	150 mm	130 mm	3,5 kN	M10x165
			7,0 kN	M12x185
			10,5 kN	M16x205
PFC 23/1	170 mm	150 mm	3,5 kN	M10x165
			7,0 kN	M12x185
			10,5 kN	M16x205
PFC 23/1	190 mm	170 mm	3,5 kN	M10x165
			7,0 kN	M12x185
			10,5 kN	M16x205
PFC 23/1	210 mm	190 mm	3,5 kN	M10x165
			7,0 kN	M12x185
			10,5 kN	M16x205
PFC 23/1	230 mm	210 mm	3,5 kN	M10x165
			7,0 kN	M12x185
			10,5 kN	M16x205
PFC 23/1	250 mm	230 mm	3,5 kN	M10x165
			7,0 kN	M12x185
			10,5 kN	M16x205
PFC 23/1	270 mm	250 mm	3,5 kN	M10x165
			7,0 kN	M12x185
			10,5 kN	M16x205
PFC 23/1	290 mm	270 mm	3,5 kN	M10x165
			7,0 kN	M12x185
			10,5 kN	M16x205



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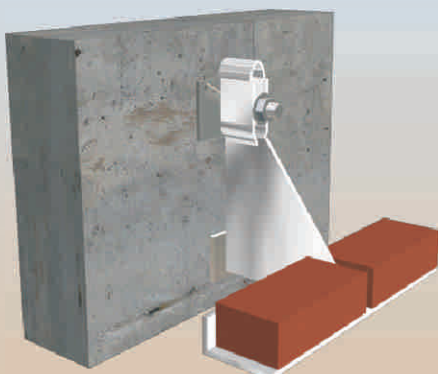


## **Fixing guide:**

- 1.) After controlling the sizes of the building, you build-in the vents, the corners and the places of the vertical expansion-spaces and determine the interstice-rows of the horizontal expansion-spaces according to the size of the brick.
- 2.) Cut a hole in the isolation for the console elements, put away and after fixing put back the cutted isolation.
- 3.) Develop the leveled fixing points after marking according to the anchor-table, clean it, and put the fixing-anchor into the bore with a special linking. Take consideration to the distance between the smallest edges & bores.
- 4.) Push up the special square washer with oval hole (height-set-up) on the fixing anchor-stick until the wall, then put up the console with the large washer. You fix it with the screw-nut, and screw it with the stress-key according to datas given by the table after the final configuration.
- 5.) Set the console roughly in vertical direction, then you can set it finally with  $\pm 30$ mm differences with the special height set-up square washer-plate. Control, whether the corner-plate of the console lie right, minimum 25 mm from the edge.
- 6.) In horizontal direction the brick-cover can be set with  $\pm 10$  mm difference, but at least 2/3 part of the brick has to be supported.
- 7.) The L consoles - which support the covering bricks- needs to be under-supported until set.
- 8.) The horizontal configurated expansion-spaces needs to be on the lower level of the holder-console row. Take consideration when you set the vertical dilatation interstices – don't stunt the thermal dilatation with the horizontal supporting.
- 9.) The fixing of the thermal isolation is made by riggers /holding the duvets/ through fixing sticks , the condensed vapour is driven away by drop rigger from the cover or the thermal isolation preventing against moisturing.
- 10.) Placing of the fixing stick depends on the structure & loading of the load-bearing walling. On ferroconcrete walling at least 5 sticks per squaremeters, but by edges & openings at least 3 sticks per meters are needed to build-in. By hollow & porous load-bearing walling you have to take consideration to the datas of the permissible pulling-load of the walling, and the number of the sticks should be raised according to this. When build-in the plastic wallplugs of the sticks, predrilling have to be done on the basis of the table. Count also with the datas of the sucking-pressing of the wind based on the table. Building-in of the fixing-stick is made according to the table.
- 11.) Above the openings – in the case of visible supporting – sized, coherent lintels have to be used in the prospect of aesthetics.
- 12.) Above the openings – in the case of invisible supporting – by fixing the standing vertical brick-rows, hanging bow is put into every third vertical interstice. The fixing is strengthened by through-passing sticks through the bow. The through-passing sticks are put into two lines per each brick-line with the overlap of one brick. The arch have to be supported with precision shutter until it dries.
- 13.) The building of the scaffold-fixing on the load-bearing wall can be created with the continuous building of the scaffold-fixing element according to the quantity of the type of scaffold, while external facade can not be loaded. The position of the scaffold-fixing has to be document so that the scaffold could be build later.
- 14.) Fix the attika fixing on the load-bearing wall-structure with 75 cm space vertically. Anchor the cover per three lines horizontally in the attika track with fixing-plates.

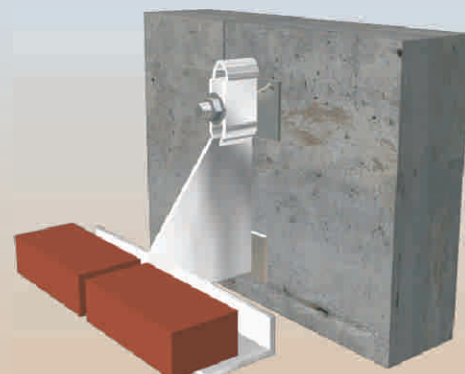
### **Full supporting**

Vertical setting of console:  $\pm 30$  mm  
Height of wall: max. 12 m



### **Minimum 2/3 supporting**

Horizontal setting of brick:  $\pm 10$  mm  
Height of wall: max. 6 m



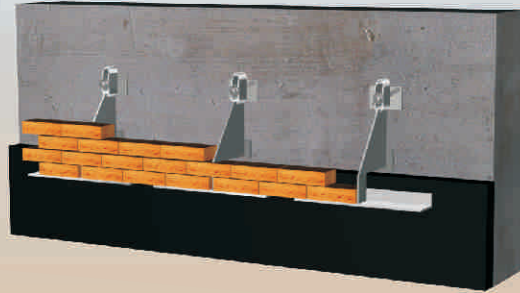


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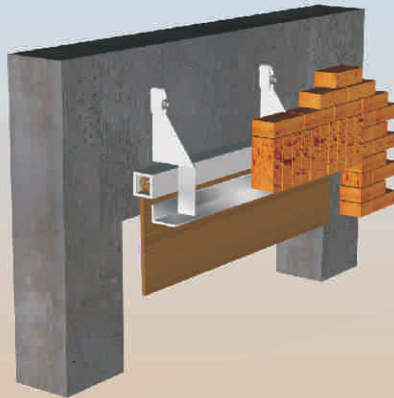


## Main using patterns:

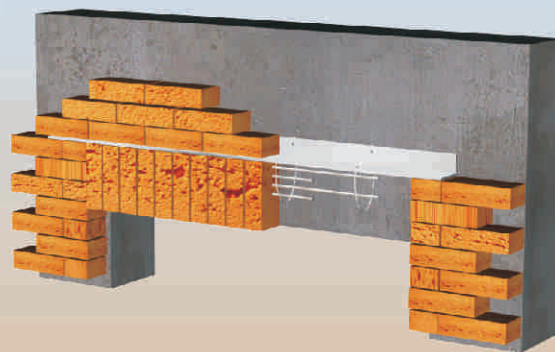
1. PFC 23/ supporting console with 1 modul - reaching down to front of the watertight isolation in every second interstice



2. Visible fixing brick front of the shutter case with PFC 25/2 console with 2 reaching down modules



3. Fixing stand-up brick above opening with by-pass console and hanging bows



3. Fixing bricks at corner with PFC 23/1 console and PFC 28/2-RL 2 moduled console using extended corner plate

