H.R. Profix
Facadefixing - technic

Fixing guide to the using of anchor-fixed stone-plate fixing of ProFix system

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

Loading	Base material	Size of console
Per fixing points:	Stainless steel:	General protrusion
0,3 kN 0,45 kN 0,6 kN	KO-33 (A2), KO-35 (A4)	between 12 - 220 mm

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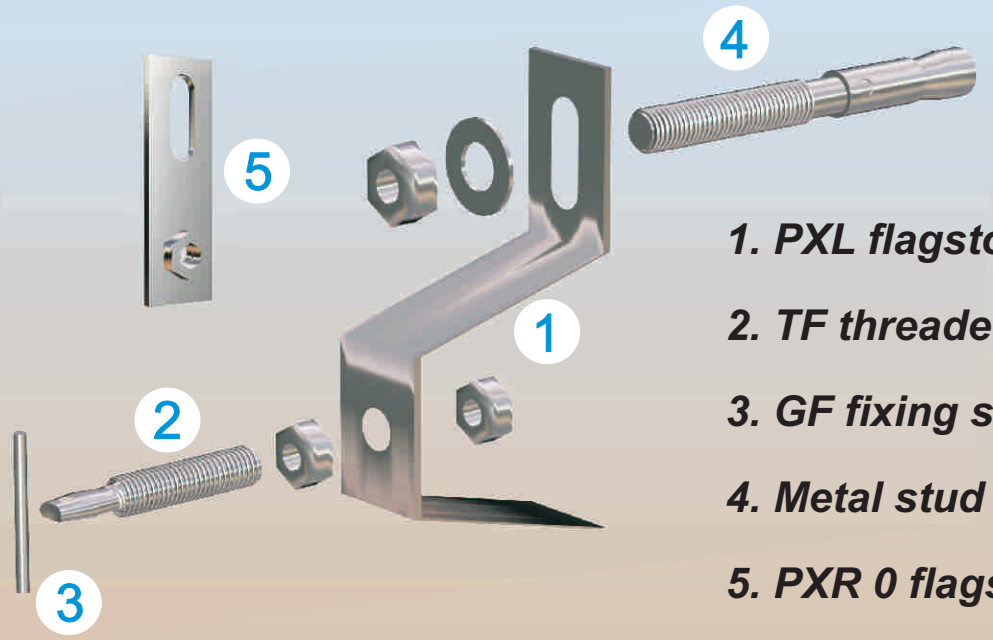

1. PXL flagstone-fixing clamp
2. TF threaded head + 2 pcs nut
3. GF fixing stick
4. Metal stud anchor
5. PXR 0 flagstone fixing clamp

Type	Element size h (mm)	Size of threaded head (Mxl/b)	Loading G (N)	Anchor
PXR 0	12	M10x50-60	300	M8x70
		M12x50-60	450	
PXL 20	20	M10x50-60	300	M8x70
		M12x50-60	450	
		M12x50-60	600	M10x90
		M14x50-60	750	
		M16x50-60	900	
PXL 40	40	M10x60-70	300	M8x70
		M12x60-70	450	
		M12x60-70	600	M10x90
		M14x60-70	750	
		M16x60-70	900	
PXL 60	60	M10x60-80	300	M8x70
		M12x60-80	450	
		M12x60-80	600	M10x90
		M14x60-80	750	
		M16x60-80	900	
PXL 100	100	M10x60-80	300	M8x70
		M12x60-80	450	
		M12x60-80	600	M10x90
		M14x60-80	750	
		M16x60-80	900	
PXL 140	40	M10x60-80	300	M8x70
		M12x60-80	450	
		M12x60-80	600	M10x90
		M14x60-80	750	
		M16x60-80	900	
PXL 180	180	M10x60-80	300	M8x70
		M12x60-80	450	
		M12x60-80	600	M10x90
		M14x60-80	750	
		M16x60-80	900	
PXL 220	220	M10x60-80	300	M8x70
		M12x60-80	450	
		M12x60-80	600	M10x90
		M14x60-80	750	
		M16x60-80	900	

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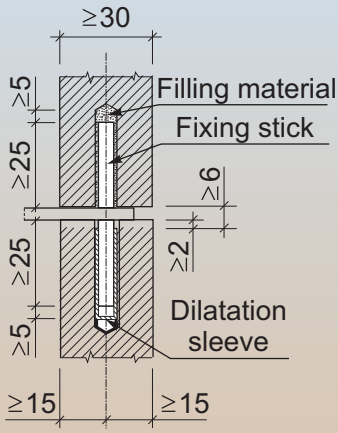
Fixing guide:

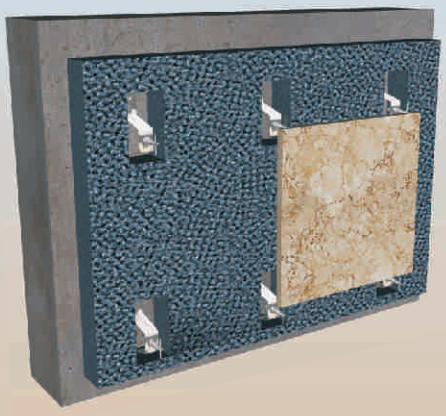
1.) After controlling the sizes of the building, you build-in the vents, you mark the flagstone lines.
2.) Cut a hole in the isolation for the flagstone-fixing elements, put away and after fixing put back the cutted isolation.
3.) Develop the leveled fixing points after marking according to the anchor-table. Don't apply hammer-drill on hollow or porous building-material. Fix the element using sprung- or regular washer, this will help to avoid moving in vertical direction.
4.) The fixing bores in the flagstone have to be placed min. 2,5x from the corner of flagstone. The smallest bore-axle space can be 15 mm from the edge of the stoneplate. Because of this the thickness of flagstone have to be minimum 30mm. Put dilatation sleeve into the bores. The diameter of the bores equal with the external diameter of the dilatation sleeve. Put some elastic stuff into the opposite bore.
5.) Put together the fixing clamp and threaded head, and set the protrusion accordingly to the airspace and the bores drilled in centerline of the flagstone. Place the fixing stick into the hole on the threaded head.
6.) The unevenness of the wall can beliminated by turning in- and out the threaded head. The vertical setting is due to the oval fixing-bore of the fixing clamp. The clamp can differ from the vertical position (max. 20°), which allows the horizontal setting.
7.) By fixing into horizontal interstice: The flagstones load in every case on the lower fixing-element, drifting head, and the upper part of fixing spike. It holds the flagstone, which is under the lower part of the fixing spike, through the dilation plastic sleeve ensuring the thermal-expansion moving, and it holds against the inclination.
8.) By fixing into vertical interstice: put the spike into bores configurated on sides of flagstones, so they are loading on both clamp in every case by the former & later flagstone. You are making the bores with dilation sleeve on side of the fixing-clamp, the bores on the other side need to be filled.
9.) Leave minimum 2 mm thick interstice-spaces between flagstone and threaded head because of the dilation movings. Leave minimum 6 mm interstice-space between the flagstones.
10.) If we apply closed interstice between the flagstones, make a nest for the threaded head.
11.) If two flagstone can't be fixed independently on the corner, we need to fix them together ont he inner side of the flagstones using corner fixing element. We can use U fixing element for also for fixing the corner elements.
12.) If the background wall's hardness is low, flagstone-fixing elements are configurated in order to they are built with supporting-plate or flat-plate.
13.) The building of the scaffold-fixing on the load-bearing wall can be created with the continuous building of the scaffold-fixing element, while the external fascade can not be loaded, with this you can avoid the later unprofessional building of the fixing-element's missing flagstones, so that the scaffold could be reconstructed. The position of the scaffold-fixing has to be documented.
14.) On the attic and building dilatation separate the closed- and open intersticed field in full length. We construct the flagstones separate on both sides.

Fixing in vertical interstice:

Placing the fixing stick:



Fixing in horizontal interstice:



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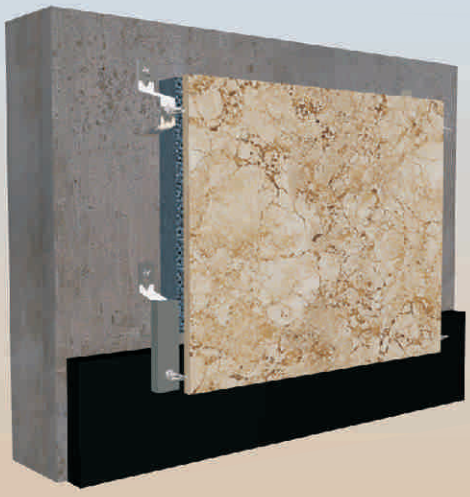
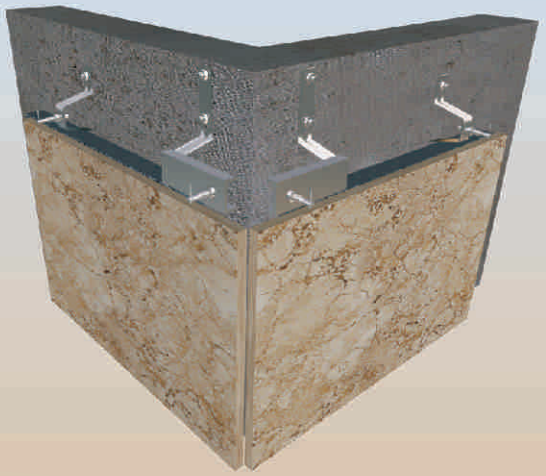
Main usingpatterns

1. Fixing flagstone to front of the watertight isolation in vertical interstice using PXV/1 vertical one-pointed clamp



2. Fixing flagstone at corner or turning-in in horizontal interstice using PXH/1 one-pointed cornerfixing clamp



3. Fixing horizontal flagstone with DPXL horizontal fixing clamp with 2 anchor-point