

# PF-AL-T/SO-S/R45

ANCHORING SYSTEMS FOR VENTILATED FAÇADES



## TECHNICAL SPECIFICATIONS

Stainless steel alloy Aisi 304 (A2) standard [A4 upon request]	
Elastic limit [N/mm <sup>2</sup> ]	175
Elasticity module [N/mm <sup>2</sup> ]	210.000
Transversal elasticity module [N/mm <sup>2</sup> ]	81.000
Poisson coefficient	0.3
Thermal dilatation coefficient [1/C]	1.2.10 <sup>-5</sup>
Density [kg/m <sup>3</sup> ]	7.850
Aluminium EN AW - 6005A	
Product shape	Extruded profile
Elastic limit with 0.2 deformation [N/mm <sup>2</sup> ]	225
Breaking point [N/mm <sup>2</sup> ]	270
Minimum lengthening	8
Elasticity module [N/mm <sup>2</sup> ]	70.000
Trasversal elasticity module [N/mm <sup>2</sup> ]	27.000
Poisson coefficient	0.3
Thermal dilatation coefficient [1/C]	2.3.10 <sup>-6</sup>
Density [Kg/m <sup>3</sup> ]	2.700

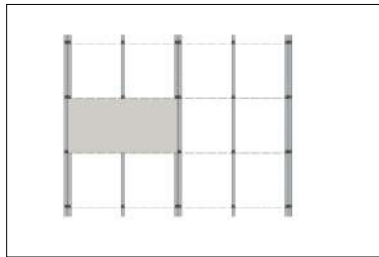
## DESCRIPTION

Completely hidden anchoring, which consists of vertical uprights of different types and especially designed for large format thin claddings of small thickness, such as sintered ceramic elements, fiber-cement, composites, glass, HPL, etc. The whole system is applied with high specification adhesive and is equipped with GR-SO-S support anchors, rollover restraint element GR-SO-45 and double sided tapes in order to guarantee correct and long-life fastening with the highest level of safety. It is also worth mentioning the use of the Masa keys patented and designed to ensure the perfect position of the panels and the joints between them, keeping the flatness of the cladding in contact with the tape and the adhesive to obtain the optimal degree of functionality. They are subsequently removed and/or reused.

The PF-AL-T system is designed for large formats arranged horizontally or vertically; for special architectural designs, there is a variant of the system that is complemented with horizontal profiles called PF-AL-TH.



GR-SO-S-80 anchoring



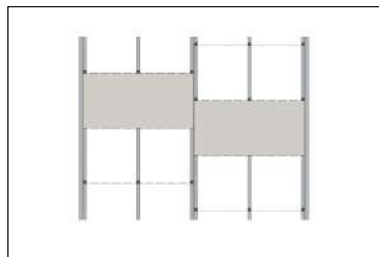
- Minimum wall cladding thickness 3 mm. Maximum thickness of 15 mm.

- Recommended minimum joint: 3 mm horizontally and 3 mm vertically.

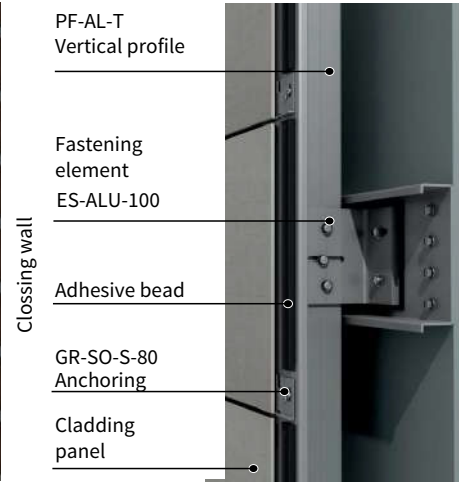
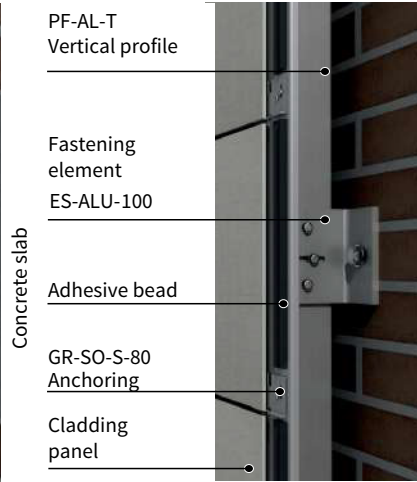
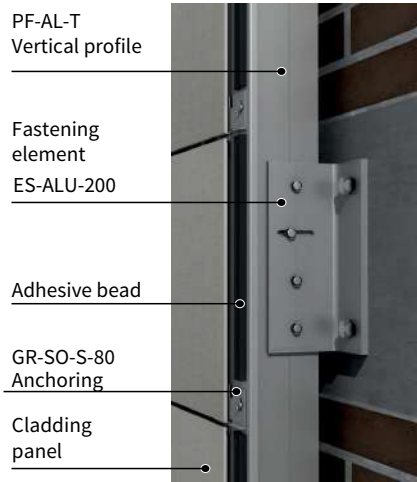
- Single slot at the rear side at 45°.



GR-SO-S-40 anchoring with horizontal locked joints.



- Calculations made with maximum densities up to 3000 kg/ m<sup>3</sup>.



Drywall with Aquapanel

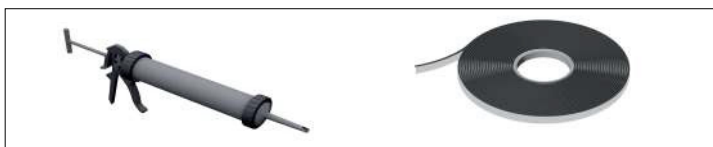
The GR-SO-R45 and GR-SO-R45/40-TSE anchors are placed on the vertical profile in any of the PF-AL, L, J, JT, and J35 models centered on the base profile. The connection to the vertical profile is made with a drill bit screw with an extra-flat head DIN 7504 4, 2x12,7 made from stainless steel. A2/A4.



GR-SO-R45/40-TSE anchoring

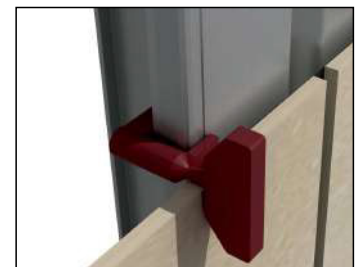


GR-SO-R45/40 anchoring



Multipurpose elastic adhesive putty based on mono-component polyurethane of medium-high curing module with atmospheric humidity together with double-sided adhesive tape, 3 mm thick and 12 mm wide, which helps the initial fastening of the panel and guarantees sufficient thickness of the adhesive.

Nordic Ext has designed an innovative system of keys that press the cladding against the profile and maintain the joint between panels, retracting once the adhesive has reached its optimum load level.





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