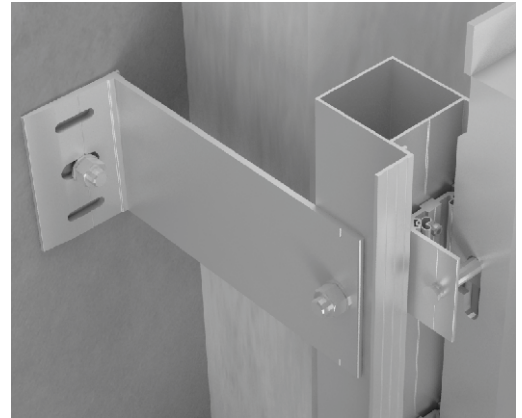




TECHNICAL SYSTEM DESCRIPTION

Aluminum substructure system designed for the installation of specially formed cassettes fixed using concealed brackets and visible connecting elements in the form of pins located within the panel gaps. Cassette preparation can be fully completed in workshop conditions, allowing the dry installation process on site to be fast and efficient. The system is named after the method of installing cassette cladding onto smaller brackets that are positioned by sliding onto the load-bearing part of the substructure and subsequently fixed to it (slider). The system is particularly suitable for vertical cassettes.

The installation process begins with surveying and marking the positions of the load-bearing profiles.

- a) Extruded load-bearing profiles are installed on the building according to the designed grid. The maximum recommended profile length and the spacing between adjacent vertical profiles are determined by static calculations. The profile length must not exceed 3500 mm, while the maximum spacing between adjacent load-bearing profiles must not exceed 1200 mm.
- b) The Slider system allows the façade cladding to be offset from the wall within a range of 64 mm to 410 mm*.
- c) Fixing of the vertical load-bearing omega profiles (cat. no. V01, V134, V88) is carried out using anchors that allow fine adjustment of the aluminum profiles in all directions, ensuring a perfectly planar façade surface. The connection can be either fixed or sliding, thanks to an integrated solution that allows both options. Connections are made using pop rivets or self-drilling stainless steel screws with secured joints. Where thermal bridge interruption is required, specially designed plastic spacers are installed beneath the anchors.
- d) Sliding brackets (cat. no. V50) are installed into the dedicated groove of the omega profile. Once installed, they serve as the main connection points between the substructure and the pre-formed cassettes.
- e) Façade panels are processed on a CNC machining center under workshop conditions (cut to size and grooved as required). The Slider system requires precise cutting of fixing slots located on the side edges of the cassettes. These slots are used to secure the cassettes to the sliding brackets within the omega profiles.
- f) The prepared cassettes are installed on the façade, with each cassette being “locked” into position using an upper and a lower bracket. The system provides for a 14 mm panel gap.

* These dimensions are supported by standard VENT system anchors. For larger offsets, please refer to the technical catalogue (sections 5.19-5.24) and the TMTP catalogue.