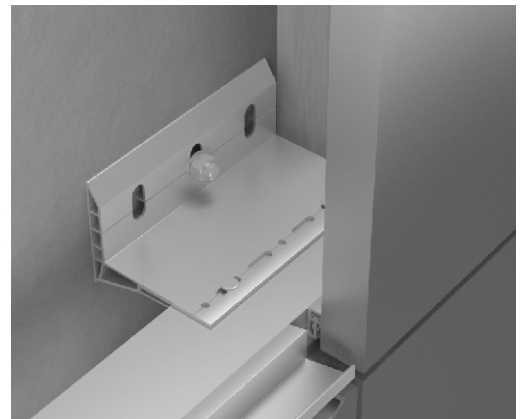




TECHNICAL SYSTEM DESCRIPTION

Aluminum substructure system designed for the installation of specially formed and prepared cassettes. Installation is exceptionally simple due to an easily interlocking assembly composed of two specially designed aluminum profiles that fit precisely into one another. The system is characterized by elegant façade panel gaps with a width of only 9 mm; if the receiving profile is powder-coated, the panel gap can also be color-matched. Part of the preparation is carried out in workshop conditions, and the installation process is dry. The Fit system is ideal for horizontal cassette orientation on the façade.

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 Fit system allows the façade cladding to be offset from the wall within a range of 64 mm to 410 mm*.
- c) The primary load-bearing substructure may be vertically or horizontally oriented and consists of dedicated anchors and load-bearing profiles (T, L, or Ω) that allow fine adjustment of the 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. Secondary horizontal load-bearing profiles (cat. no. V02) are installed onto the primary substructure. Where thermal bridge interruption is required, specially designed plastic spacers are installed beneath the anchors.
- d) Façade panels are processed on a CNC machining center under workshop conditions (cut to size and grooved as required). The processed panels are then bent to form cassettes. Profiles for fixing the cassettes to the load-bearing structure (cat. no. V03) are cut to the required length and riveted to the cassettes.
- e) The prepared cassettes are installed on the façade with a connecting rubber gasket (cat. no. V62) placed between the cassette fixing profiles and the horizontal load-bearing profiles. The system provides for a 9 mm panel gap, with visible profiles optionally powder-coated in the desired color to achieve different visual effects.

* 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.