



TECHNICAL SYSTEM DESCRIPTION

Aluminum substructure system designed for the installation of specially formed cassettes, particularly suitable not only for wall cladding but also for columns, ceilings, niches, and other geometrically complex areas of the building. The system is characterized by pronounced panel connections on the façade. This visual effect is achieved either by inserting and fixing dedicated gaskets into the panel gaps or by filling them with structural silicone, from which the system derives its name (gasket). The installation method is highly practical and does not require exceptional precision; filling of the panel gaps is optional.

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 Gasket system allows the façade cladding to be offset from the wall within a range of 64 mm to 410 mm*.
- c) Fixing of the main load-bearing profiles is carried out using anchors 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. 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. Finally, L-profiles (cat. no. L2030, L2020) are fixed into the corners of the finished cassettes using pop rivets. The L-profiles are installed at varying heights to avoid overlap between adjacent cassettes.
- e) The system provides for a panel gap of 10-14 mm, which can be filled with an EPDM gasket (cat. no. V60, V61) or, where required, sealed with structural silicone.

* 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.