

### Main system parts

- **fixed anchors** - for attachment of system anchors to a wall
  - **plastic insulators** - in case of specified thermal break
  - **system anchors** - adjustable load-bearing elements
  - **load-bearing aluminium profiles** - vertically, horizontally or diagonally positioned T and L profiles
  - **adhesive materials** - semi-liquid and/or tape
- **facade cladding** \*
  - please use specified fastening & installation products according to technical description for final facade installation



## Technical description of system

Aluminium substructure system for flat panel cladding featuring invisible mounting with adhesives. This wet installation method requires preparation both in workshop and on construction site. It offers great flexibility with cladding material options, facade design and unusual aesthetics with numerous possibilities for combining of irregular shapes and forms on the facade.

### Assembly procedure:

- a) The assembly and installation of facade starts with measuring and positioning of main load-bearing profiles.
- b) Extruded load-bearing T or L profiles are installed in any direction required by project (from horizontal to vertical) and spaced according to previously formed facade raster. The maximal recommended length of load-bearing profiles is up to 3,5m (relative to storey height), with maximal horizontal distance of 1,5m between them.
- c) Main substructure profiles (items nr. V06, V07, V08, L4060) are attached by anchoring system that allows fine adjustments in all directions to achieve ideally flat facade surface. The maximal distance between system anchors is 1,5m (defined with static calculations). System anchors feature easy-installation clips that hold main profiles during initial installation and adjustment. They are then connected to main profiles with pop rivets or stainless steel screws, with integrated both flexible and fixed point attachment. In case of specified thermal break, plastic insulators are installed between system anchors and a wall.
- d) Cladding panels are just cut to the required dimensions. These panels are then prepared on site, together with load-bearing profiles according to adhesive manufacturer's instructions, usually in this order:
  - Entire contact surface of main profiles and contact areas on cladding panels are sanded and cleaned with recommended cleaner
  - Special double sided adhesive tape is installed on prepared main profiles, parallel with the adhesive application direction, closer to the panel edge. The 3mm thick tape is used as temporary joining agent until the glue achieves full adhesion, and the cladding panels are positioned on the facade by hand, with gaps from 8mm to 20mm. In case of bigger or heavier panels, usage of vacuum handles is recommended for positioning.

**SPECIAL NOTE:** Before installation start, it is mandatory to fully comply with adhesive material manufacturer's instructions in order to validate a warranty for adhesive compounds used: recommended cladding type and segment size, weather conditions (temperature and humidity), proper preparation of substructure and cladding material, together with appropriate application of adhesive.

## Technical details

