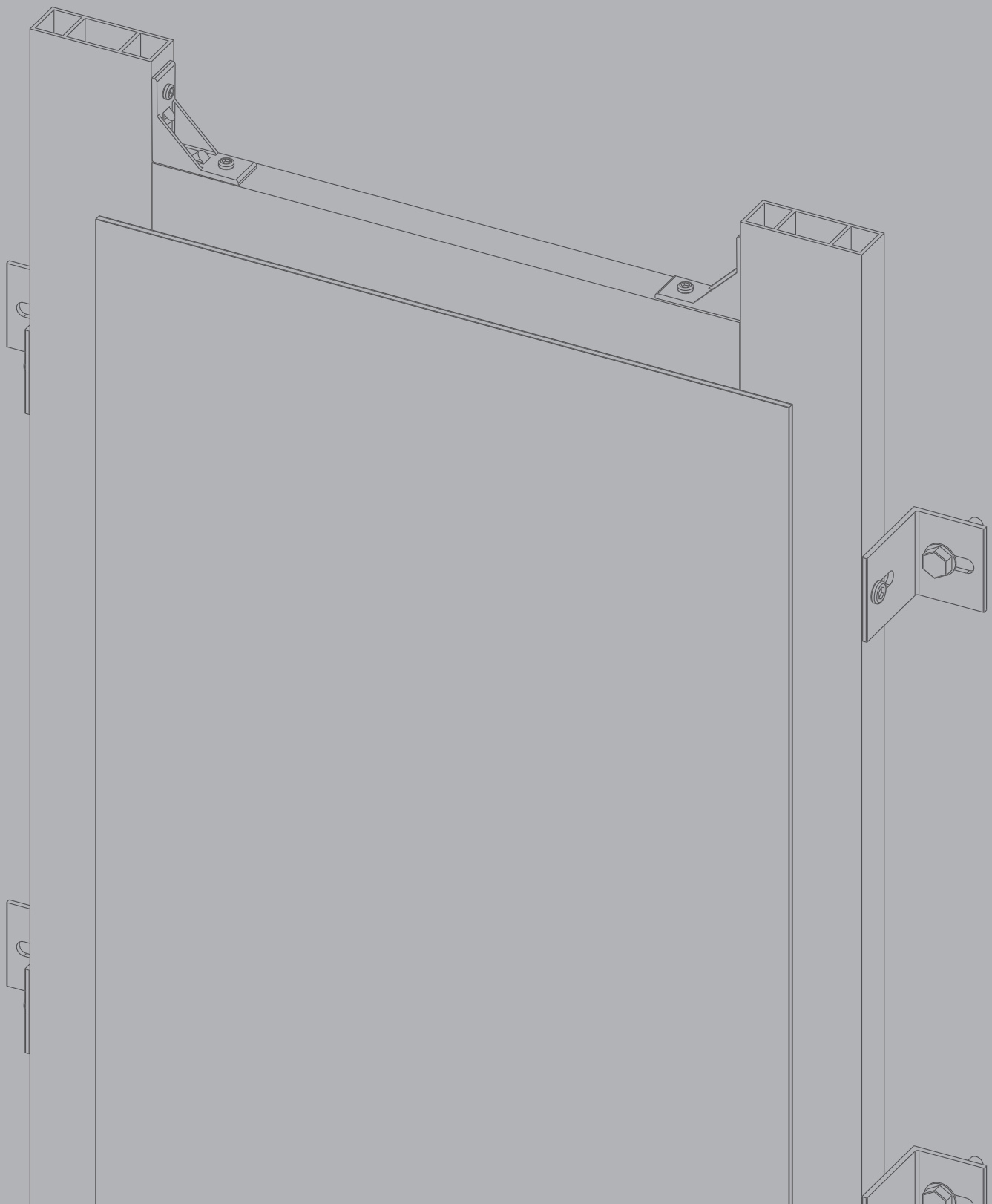
STB-PEG
GLUED SYSTEM



STB-PEG SYSTEM
DESCRIPTION

STB-PEG is a kit system based on flat panels made from STAC**BOND**® composite panels for installing ventilated facades .It is a system with hidden fixings which is quick and economic to install and which allows both horizontal and vertical assembly.

As this is a glued system with chemical anchoring, it is resistant to aging and weathering; it absorbs vibration and allows numerous possibilities in facade design.

The substructure is made from lengths of **MULLIONS STB-PEG** (70 x 24.5 mm) and 6063 T5 aluminium alloy **spacers ANGULAR**.

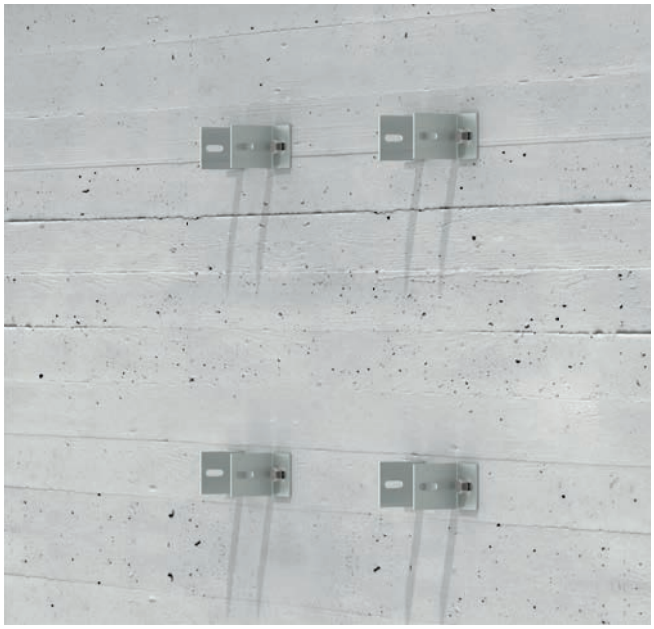
These spacers are placed opposite each other to bidimensionally absorb any irregularities in the facade.

The spacers are anchored to the wall using special mechanical fixings, recommended in each case by the fixings suppliers, and receive the MULLIONS STB-PEG as uprights.

The **STB-PEG** system can be mounted on a unidirectional or bidirectional substructure. With a unidirectional substructure, the horizontal joint remains open. In the case of the bidirectional substructure, horizontal struts are attached to the uprights using **MULLION JOININGS STB-PEG** made of ZAMAK 5, or to the vertical face using spacers ANGULAR.

The STAC**BOND**® composite canels are attached to the substructure using a specific adhesive and double-sided adhesive tape, in accordance with the manufacturer's instructions.

STAC® has developed a program for the specific calculations of the substructure for each project executed, defining the maximum distances between uprights.



SPACERS ANGULAR

1. Spacers angular. The spacers angular join the uprights to the vertical face or supporting wall. They are either retaining or supporting. These are placed opposite each other and fixed to the vertical face using special mechanical anchors.

MULLIONS STB-PEG

2. Placement of uprights. The mullions STB-PEG are screwed between the spacers angular. They must be perfectly plumb with the adjustment that the system allows. The first and last fixings must be placed at a maximum of 250 mm from the ends of the mullion.

HORIZONTAL MULLIONS

3. Horizontal cross-struts (optional). These profiles are mechanically fixed to the vertical substructure using **mullion joinings STB-PEG.** The possibility of creating a bidirectional substructure allows the system to adapt to the requirements of the facade.

GLUING THE STACBOND COMPOSITE PANEL

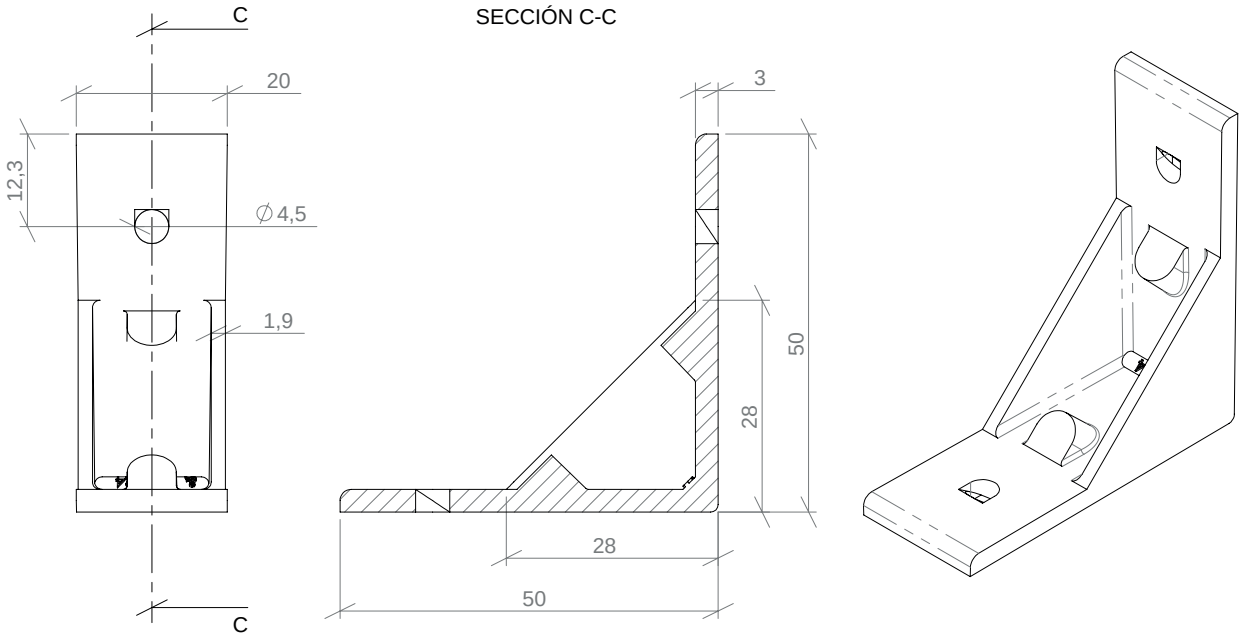
4. Attaching STACBOND®** composite panel.** Once the substructure is in place, the **STAC**BOND®** panels are attached to it using double-sided adhesive tape and adhesive, following the manufacturer's instructions.cante.

MULLION JOINING STB-PEG

The mullion joints STB-PEG are made of moulded ZAMAK 5 and allow the construction of bidirectional substructures via mechanical fixing between mullions STB-PEG uprights.

Fixing of these mullion joints is done using ø 4.8 mm blind rivets or ø 4.8 mm self-tapping screws. These coupling parts are compatible with possible dilation of the substructure.

REFERENCE	DESCRIPTION	UNITS/BOX
05.19.024	MULLION JOINING STB-PEG	100



Measurements in mm

1. Cleaning the substructure. The substructure must be clean, dry, homogenous, and free of oil, grease, dust and loose particles. Any paint, grout or other substances must be removed.

Precautions:
- Clean the surface with a damp paper towel, moving in one single direction, as if sanding. Solvents must never be used.
- For cleaning and degreasing, SIKA-AVIATOR-205 or similar is used. It should be left to evaporate for 10 minutes minimum.

2. Priming the area. Priming should be done with a product which strengthens the adherence of the adhesive to the substructure – SIKATACK PANEL PRIMER or similar.

Precautions:
- Once hardened, the primers can only be removed via mechanical means.
- The primer leaves a heterogeneous film. Only those surfaces which are to be glued should be treated.
- The evaporation times of the cleaning products must be adhered to (30 – 60 mins).

3. Applying the double-sided adhesive tape. The double-sided adhesive tape – SIKATACK PANEL-3 or similar – is used to initially attach the panels until the main adhesive polymerizes and also ensures the minimum adhesive thickness of 3 mm. This absorbs and possible vibration or dilation produced in the **STACBOND**®. composite panel facade. The long-term strength is only achieved with the adhesive.

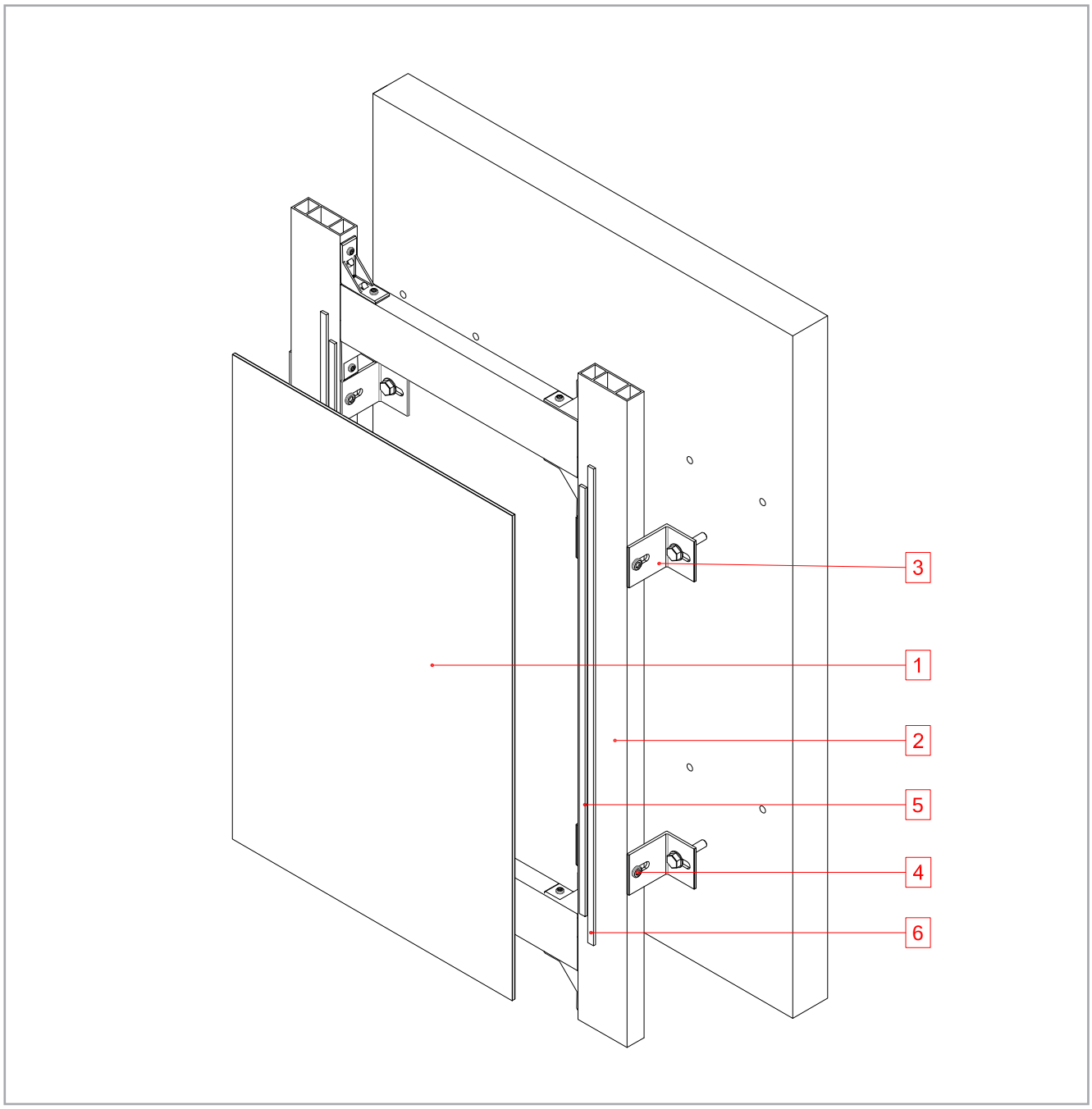
4. Elastic adhesive. Apply a continuous vertical bead of elastic adhesive – SIKATACK PANEL or similar – using a triangular nozzle (8 mm wide x 10 mm long), at least 5 mm away from the adhesive tape. To ensure correct application, the gun should be positioned perpendicular to the support.

Precautions:
- The application of adhesive bead on the cross-struts of the substructure does not offer any structural function.

5. Placing the panel. Remove the protective film from the double-sided adhesive tape. Carefully place the panel in position precisely and press firmly until the panel contacts the double-sided adhesive tape.

Always follow the panel manufacturer's instructions for their storage. Avoid exposure to heat and direct sunlight prior to gluing the panels.

STB-PEG SYSTEM
INSTALLATION DIAGRAM



Nº	NAME
1	STAC**BOND**® composite panel
2	Mullion STB-PEG
3	Spacer angular
4	Self-tapping screw
5	Specific adhesive
6	Double-sided adhesive tape

PROFILES

AUXILIARY ELEMENTS

SPACERS

INFORMATION AND SALES

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