

# QV6

## CONCEALED FASTENING FOR FLAT AND 3D PANELS USING UNDERCUT ANCHORS



- + ADVANCED SYSTEM USING UNDERCUT TECHNOLOGY
- + COMPATIBLE WITH MOST CLADDING MATERIALS
- + BUILT-IN ADJUSTABILITY
- + THERMALLY BROKEN BY MEANS OF THERMO-PADS
- + A1 NON-COMBUSTIBLE
- + 100% RECYCLABLE

### CLADDINGS FROM 8 mm [5/16"] TO 50 mm [2"]

- + HPL
- + Fiber-cement
- + GFRC
- + Stone
- + Ceramic

The QV6 system is designed for hidden support of various cladding materials, using undercut anchor technology. The system can be used on stud wall, concrete, and masonry (CMU) substrates.

QV6 is customizable to be used with many types of undercut anchors available on the market.

- > The undercut anchors are placed in the back of the cladding panels and hangers are secured to the undercut anchors. The hangers have built-in bolts allowing fine vertical adjustment of the panels.
- > The cladding panels are suspended with the hangers that are engaged into the horizontal system rails.
- > The horizontal system rails are attached to the vertical T and L profiles, which are attached to the QVB wall brackets via a series of fixed and sliding connections.
- > The wall brackets come with a thermo-pad to reduce thermal bridging and prevent galvanic corrosion.

| COMPONENTS                        | MATERIAL                                                                     | NOTES                                                                                                                   |
|-----------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Horizontal system rails           | Extruded aluminum, alloy AW 6063 T66                                         | Unpainted, RAL painted, anodized 12 µm (or more upon request)                                                           |
| Hangers                           | Extruded aluminum, alloy AW 6063 T66                                         | Unpainted, anodized 12 µm (or more upon request)                                                                        |
| Pads (between hangers and panels) | Silicone                                                                     | Thickness 1 mm [0.04"] and 2 mm [0.08"]                                                                                 |
| Vertical profiles                 | Extruded aluminum, alloy AW 6063 T66                                         | Unpainted, RAL painted, anodized 12 µm (or more upon request)                                                           |
| QVB wall brackets                 | Extruded aluminum, alloy AW 6063 T6                                          | Cavity depth from 57 mm [2 1/4"] to 285 mm [11 3/16"], Built-in in/out adjustability of 35 mm [1 3/8"]; Unpainted, typ. |
| Accessories                       | Extruded aluminum, alloy AW 6063 T66 or T6; Aluminum sheet alloy AW 5754 H22 | Unpainted, RAL painted, anodized 12 µm (or more upon request)                                                           |
| QVB thermo-pads                   | Polypropylene                                                                | Pre-assembled to the wall brackets, typ.                                                                                |
| Undercut anchors                  | Stainless steel                                                              |                                                                                                                         |
| Fasteners                         | Stainless steel or with corrosion resistant coating                          |                                                                                                                         |

### THERMAL PERFORMANCE

The use of thermo-pads reduces thermal bridging. The strength of the extruded materials allows for fewer wall brackets and screw penetrations to the wall compared to other attachment methods.

A given system's thermal performance varies significantly depending on the wall build-up, exterior insulation depth, cladding materials, and wall bracket spacing. Project-specific thermal modeling is available upon request.