

QV2

CONCEALED STRUCTURAL ADHESIVE FASTENING FOR FLAT PANELS



- + EFFICIENT SOLUTION FOR ON-SITE ADHESIVE FIXING
- + COMPATIBLE WITH MOST CLADDING MATERIALS
- + BUILT-IN ADJUSTABILITY
- + THERMALLY BROKEN BY MEANS OF THERMO-PADS
- + 100% RECYCLABLE

CLADDINGS

- + HPL
- + Fiber-cement
- + GFRC
- + Stone
- + Ceramic
- + ACM
- + Metal panels

The QV2 system is suitable for structural adhesive attachment of many cladding types. Panels are attached to vertical T and L profiles using various adhesive systems, specified by the cladding manufacturer.

QV2 is most suitable for concrete and masonry (CMU) substrates.

- > The vertical profiles are attached to QVB wall brackets via a series of fixed and sliding connections.
- > The fixed connections absorb both dead and wind loads. The sliding connections absorb the wind load and allow for the thermal movement.
- > The adhesive system is applied on the installed vertical profiles.
- > The cladding panels are pressed firmly to the vertical profiles until they contact the bonding agent, following the adhesive manufacturer's guidelines.
- > The wall brackets come with a thermo-pad to reduce thermal bridging and prevent galvanic corrosion.

COMPONENTS	MATERIAL	NOTES
T and L profiles	Extruded aluminum, alloy AW 6063 T66	Unpainted, 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.
Fasteners	Stainless steel or with corrosion-resistant coating	
Adhesive system	Polyurethane or silicone adhesive	Check the manufacturer guidelines for the product application, suitable working-site conditions, and the local FR regulations

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.