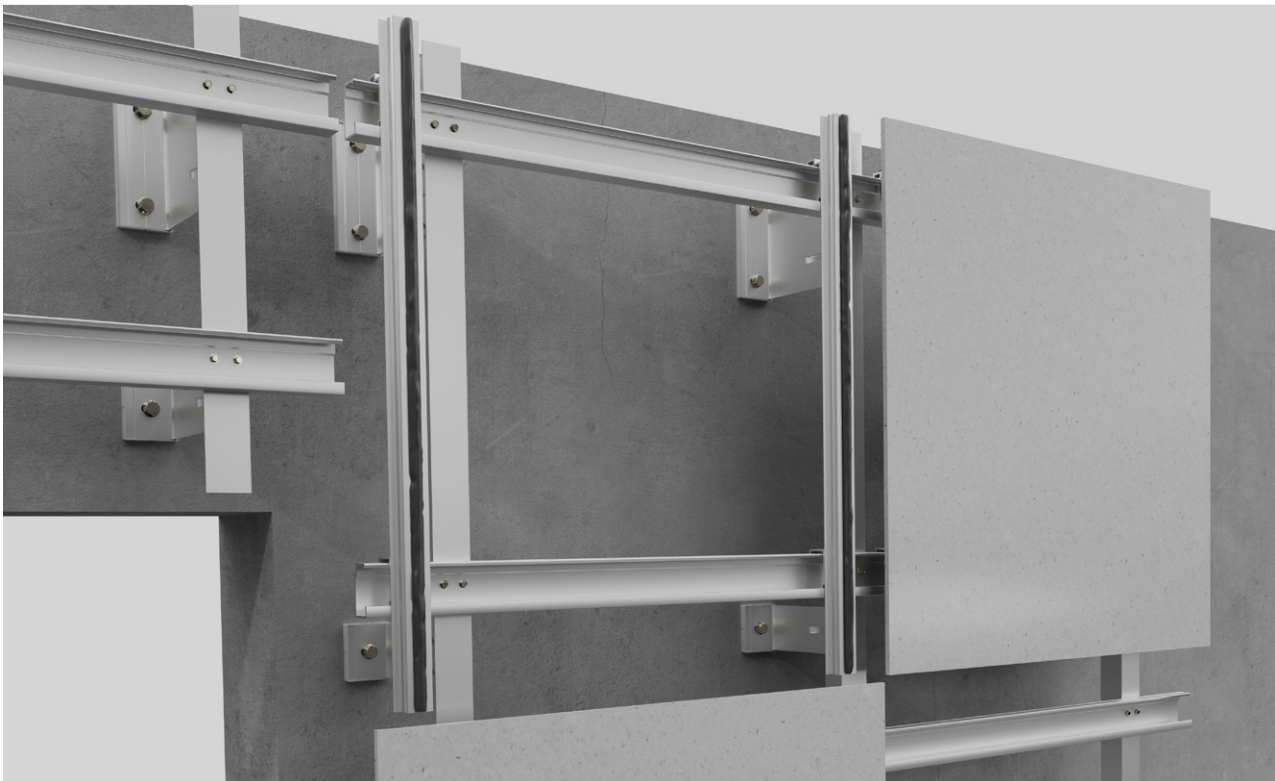




CLOUD

**CONCEALED STRUCTURAL ADHESIVE
FASTENING FOR GLASS PANELS**



- + + OFF-SITE ADHESIVE BONDING**
- + + BUILT-IN ADJUSTABILITY**
- + + THERMALLY BROKEN**
- + + A1 NON-COMBUSTIBLE**
- + + 100% RECYCLABLE**



CLOUD OVERVIEW

The Q-CLOUD system is used for the attachment of opaque glass panels in a rainscreen application. The specialized vertical profiles are bonded to the glass panels in an off-site environment.

The hangers are secured to the special vertical profiles via fasteners. The hangers have built-in bolts allowing fine vertical adjustment of the panels.

- The glass panels are suspended with the hangers engaged into the horizontal system rails.
- The horizontal system rails are attached to the vertical T and L profiles via fasteners, which are attached to the QVB wall brackets via a series of fixed and flexible connections.
- The brackets come with a thermal insulator to reduce the thermal bridging and prevent galvanic corrosion.

Other configurations of the Q-CLOUD system can be developed for specific projects.

CLADDINGS

- + Glass panels

Scan to explore the 3D model of the system



COMPONENTS

System components are manufactured from the highest quality materials to rigorous quality control standards, ensuring long-term reliability and service life.

| TYPE | MATERIAL | NOTES |
|---------------------------|---|--|
| Vertical Q-CLOUD profiles | Extruded aluminum, alloy AW 6063, temper T66 | Unpainted, anodized 12 µm (or more upon request) |
| Horizontal system rails | Extruded aluminum, alloy AW 6063, temper T66 | Unpainted, RAL painted, anodized 12 µm (or more upon request) |
| Hangers | Extruded aluminum, alloy AW 6063, temper T66 | RAL painted, anodized 12 µm (or more upon request) |
| QVB Wall brackets | Extruded aluminum, alloy AW 6063, temper T6 | Cavity depth from 2" to 8 5/8", Built-in in/out adjustability of 3/4"; Unpainted, typ. |
| Accessories | Extruded aluminum, alloy AW 6063, temper T66 or T6; Aluminum sheet alloy AW 5754 H22 | Unpainted, RAL painted, anodized 12 µm (or more upon request) |
| QVB thermo-pads | Polypropylene | |
| Adhesive system | Polyurethane or silicone adhesive | |
| 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 clip spacing. Historical thermal modeling has revealed a thermal efficiency of 70%-90%. Project-specific thermal modeling is available upon request.

SYSTEMS

| | ACM | HPL | Fiber cement | GFRC | Stone | Ceramic/ Porcelain | Metal Panel | Glass | Flat and 3D terracotta |
|--|-----|-----|--------------|------|-------|--------------------|-------------|-------|------------------------|
| QV1 Flat panels exposed mechanical fastening | + | + | + | + | + | + | + | - | - |
| QV2 Flat panels concealed adhesive on-site structural fastening | + | + | + | + | + | + | + | - | - |
| QV3 AGROB BUCHTAL KeraTwin® K20 terracotta | - | - | - | - | - | - | - | - | + |
| QV6 Advanced concealed mechanical fastening, using undercut technology | + | + | + | + | + | + | + | - | + |
| QV7 3D panels, architectural terracotta mechanical fastening | - | - | - | - | - | - | - | - | + |
| QV9 Metal panels mechanical and structural fastening | + | - | - | - | - | - | + | - | - |
| AIO Bespoke, slab-to-slab panel fixing | + | + | + | + | + | + | + | + | + |
| Q-CLOUD Glass panels off-site structural bonding | - | - | - | - | - | - | - | + | - |

3D models of all systems on [q-vent.com/facades](https://www.q-vent.com/facades)

DELIVERY OPTIONS

The systems are manufactured to individual project specifications, as fully engineered solutions OR can be purchased as components only from existing stock located in Sofia, EU and New Jersey, US warehouse.

Additional services:

- Shop Drawings
- Structural Calculations
- Installation Drawings
- Thermal Analysis
- Bespoke System Development

QUALITY AND DURABILITY

System components are manufactured from the highest quality materials to rigorous quality control standards, ensuring long-term reliability and service life. System components are designed and manufactured in the EU, conforming to CE mark certification.

Q-VENT GUARANTEE

- 10-year warranty for components
- Project specific system warranty is available, only in case Q-Vent provides or approves structural calculations, shop drawings, and installation plans.

Q-VENT reserves the right to make technical changes to this document. Information contained in this documents is non-binding. Before using Q-VENT products, all specifications and calculation must be checked by a qualified engineer and must be in compliance with local regulations.