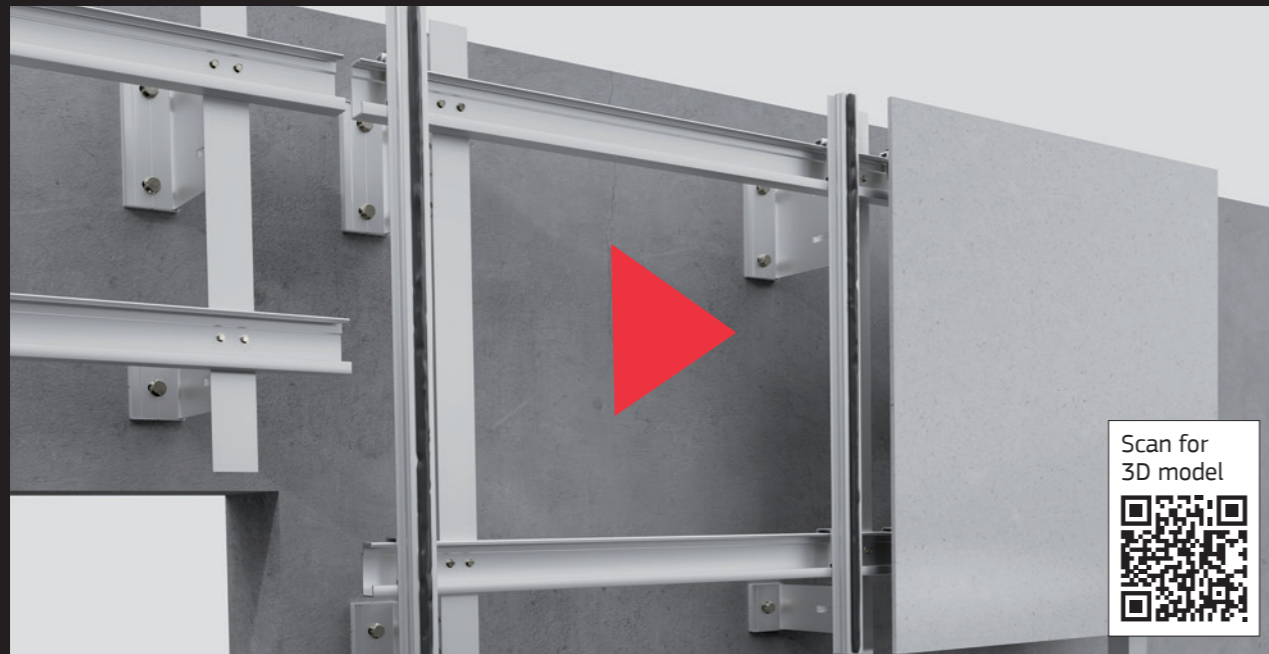


Q-CLOUD

CONCEALED STRUCTURAL ADHESIVE FASTENING FOR GLASS PANELS



+ OFF-SITE ADHESIVE BONDING

+ BUILT-IN ADJUSTABILITY

+ THERMALLY BROKEN BY MEANS OF THERMO-PADS

+ 100% RECYCLABLE

CLADDINGS

+ Glass panels

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

Q-CLOUD can be used on stud wall, concrete, and masonry (CMU) substrates.

- > 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 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
Vertical Q-CLOUD profiles	Extruded aluminum, alloy AW 6063 T66	Unpainted, anodized 12 µm (or more upon request)
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)
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.
Adhesive system	Polyurethane or silicone adhesive	Check the manufacturer guidelines for the product application, suitable working-site conditions, and the local FR regulations
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.