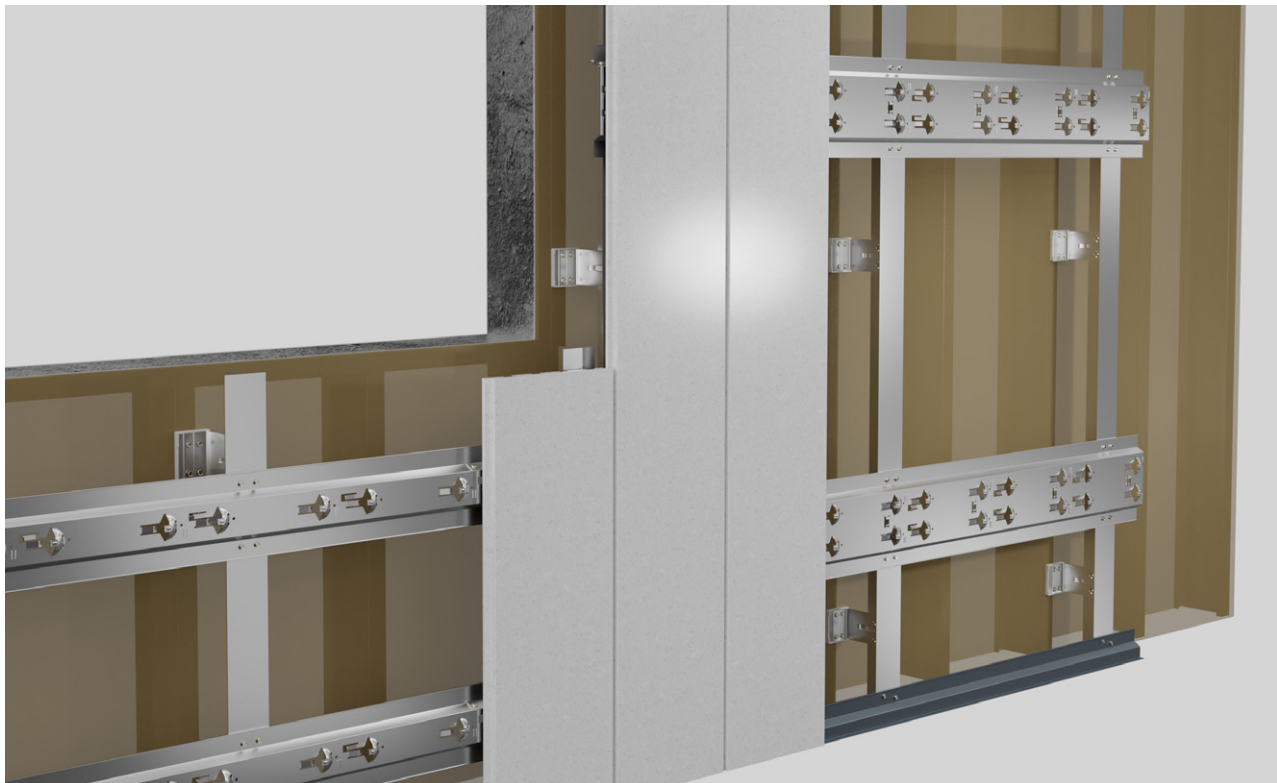




QV3.3

AGROB BUCHTAL KeraTwin® K20 TERRACOTTA PANELS VERTICAL FIXING



- THE MOST ADVANCED FIXING SYSTEM FOR TERRACOTTA PANELS**
- IMPROVED INSTALLATION SPEED USING FEWER COMPONENTS**
- BUILT-IN ADJUSTABILITY**
- THERMALLY BROKEN**
- A1 NON-COMBUSTIBLE**
- 100% RECYCLABLE**





QV3.3 OVERVIEW

The QV3.3 system is designed to attach vertical terracotta panels by Agrob Buchtal, using specialized horizontal Omega system rails and horizontal Omega-S rails. The QV3.3 can be used over stud walls and concrete, CMU, and plywood substrates.

- The Omega-S rails support the dead load of the terracotta panels, while the Omega system rails absorb the wind load of the terracotta panels.
- Both Omega and Omega-S rails are attached to the vertical T profiles.
- The vertical T profiles are attached to the QVB wall brackets via a series of fixed and flexible connections.
- The QVB wall brackets come with a thermal insulator to reduce the thermal bridging and prevent galvanic corrosion.

CLADDING

- + Only terracotta panels KeraTwin® K20 made by Agrob Buchtal



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
K20 system rails	Extruded aluminum, alloy AW 6063, temper T6	Unpainted, RAL painted, anodized 12 µm (or more upon request)
Omega-S rails	Extruded aluminum, alloy AW 6063, temper T66	RAL painted, anodized 12 µm (or more upon request)
Vertical profiles	Extruded aluminum, alloy AW 6063, temper T66	Unpainted, 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	
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.