QV3.1

AGROB BUCHTAL KeraTwin® K20 TERRACOTTA PANELS HORIZONTAL FIXING USING T-RAILS

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

CLADDINGS

+ Only terracotta panels KeraTwin® K20 made by Agrob Buchtal

The QV3.1 system is designed to attach horizontal terracotta panels by Agrob Buchtal, using specialized vertical T and L system rails. The system rails feature pre-punched hooks and springs to provide a complete and secure panel attachment.

QV3.1 is most suitable for concrete and masonry (CMU) substrates.

> The vertical system rails 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 cladding panels are directly hung on the system rails without the need for additional adjustment or fixing.
> The wall brackets come with a thermo-pad to reduce thermal bridging and prevent galvanic corrosion.

COMPONENTS	MATERIAL	NOTES
K20 system rails	Extruded aluminum, alloy AW 6063 T6	RAL7021 painted, Unpainted, special RAL painted upon request, 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	

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.