

VANWALL, GUILDFORD

MARLEY ALUTEC



When a private home in Guildford required a total eaves system in line with the architect's vision, Marley Alutec was specified to create a bespoke solution. Working closely with RC Grant & Sons Ltd and the architect Studio Bam!, the eaves system fits perfectly onto the building framework while being totally weathertight.

Situated in Guildford, Vanwall is a private home designed by Studio BAM! architects. One of the defining architectural features of this new build home is the overhanging roof – protruding significantly, it is a unique roofline focal point demanding a sleek, bespoke solution.

Due to the nature of this overhang, maintenance would be extremely difficult for the homeowner to carry out. Therefore, a fit-and-forget rainwater system was required that would not only fit the unique roofline element but would also mean zero maintenance.

Roofline specialist RC Grant & Sons Ltd was approached to see if a marine grade aluminium solution could be provided that aligned with the architect's desired eaves detail drawing.

Adam Farrell and Tom Borowiecki worked closely with the team at Marley Alutec, to ensure the bespoke products would fit perfectly onto the building's framework, providing final manufacturing drawings for approval and checking the build dimensions before fabricating all the individual components.

As an excellent working relationship had already been established, Adam Farrell, Contracts Manager at RC Grant & Sons Ltd contacted the technical team at Marley Alutec with the designs to enquire if an eaves and soffit solution could be created.

The desired detail was a complex coping and fascia system, with flat soffit boards and cill trim. The design brief was an all-aluminium eaves system, with no protruding joint pieces or visible fixings. Of course, the system also had to be entirely weathertight.



Upon receiving the architect's requirements, the Marley Alutec technical team created CAD section drawings with 3D images using their own in-house software, to illustrate the two design solutions offered and their differing applications.

Adam Farrell said, “I was really impressed with the design solutions the team at Marley Alutec provided. They showed a clear understanding of the requirements in the project’s very early stages, and offered two options for the main contractor and architect to choose from.”

Subsequently, one of the designs was chosen by Tom Borowiecki, Director at Studio BAM! architects. “We specified an integral Evoke soffit, fascia and coping system, bonded to 4mm thick bonding plates fixed to the building structure.” Tom said. “This allowed the system to sit flush against the property without any visible mechanical fixings.”



The Evoke fascia, soffit and coping systems are made from composite aluminium, which has the benefit of being near zero maintenance as aluminium naturally generates an oxide coating, preventing corrosion. Fast to position and fix, on-site adjustments can be made easily if required with standard carpentry skills and tools, requiring no specialist installers. Despite being incredibly light, the system is extremely durable – the coping system can withstand hurricane force winds of up to 176 mph and, utilising a weathertight butyl adhesive seal that is 100% weathertight throughout its 50-year life expectancy, and outlasts EPDM compression seals normally used in coping systems.

Tom continued, “One of my colleagues had worked with Marley Alutec prior to this project, so I was confident in the recommendation from them and Adam Farrell. We were impressed by the early commitment to the project, with members of the technical team attending a site visit to discuss the detailing process.

“We chose the coping and fascia systems in the colour white, RAL 9010, with a bespoke cill trim in RAL 7016, anthracite grey. The colour scheme matched perfectly with the design of the building, and we’re impressed by the architectural grade paint that’s provided an excellent, even finish.”

The three bake Kynar 500 fluorocarbon external paint uses nano surface technology to suppress the accumulation of dirt and grime on the decorative surface, so the product stays straighter, cleaner, for longer than sheet aluminium or PVC.

“The project went well, and we’re very happy with the finished product.” said Tom.



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