

**CARMICHAEL HOUSE, SCOTLAND**

**MARLEY ALUTEC**



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Marley Alutec's Evolve Deepflow aluminium rainwater system, with custom manufactured components, has been used to achieve a traditional look and superior durability for Carmichael House, a bespoke design and build carried out by oak frame specialist Oakwrights Scotland in the Scottish village of Elie.

Carmichael House is a 380 square metre custom build property designed and constructed by Oakwrights Scotland to the exacting specifications of the homeowners. Designed to reflect traditional Scottish building styles and materials, the property utilises slate roofing and natural stone, both in the external wall finish and for the areas around the windows.

This traditional aesthetic was continued throughout the exterior design including the rainwater systems. However, because of the cost and long-term maintenance demands of cast iron, aluminium was the material of choice for the guttering due to its long lifespan and minimal maintenance requirements.

This was especially important due to Elie's coastal location where corrosion of exposed metal can be far higher. Following a consultation with merchant Wolseley and Alutec sales manager, Drummond McKenzie, Oakwrights Scotland recommended the aluminium specialist's products to the client.

Marley Alutec products are manufactured from marine grade aluminium and finished in an architectural grade polyester powder coat (PPC) paint. As such, the systems are 65% lighter than cast iron and have a life expectancy of 50 years or more. The Evolve range, which can be installed in similar way to PVC systems, was selected for the ease of installation and the high-quality, robust connection that it achieves. This simple installation was particularly important as the installation of the rainwater systems was carried out by Oakwrights Scotland's construction team.

Following a detailed review of the building plans, the Deepflow system in Heritage Black (Cast 98) was chosen to both match the desired look and meet the higher capacity required for the large property. Evolve Deepflow can achieve flow rates of up to 4.9 litres per second (l/s) and serve up to 232m<sup>2</sup> of roof area per downpipe.

The traditional look was continued with the selection of Marley Alutec's circular Tudor downpipes. Following the initial order being placed, Drummond visited the site to complete a check of the measurements and quantities as well as ensure that all the elements had been accounted for.

The design of the property also includes a rounded, tower feature at one corner of the house. For this steep, circular roof a bespoke guttering solution was required. In collaboration with Oakwrights Scotland, Marley Alutec designed and manufactured a sectioned radius system that would conform to the shape of the building.



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Iain Hendry, Oakwrights Scotland's Team Leader said: "Carmichael House was a project very much led by the clients, who had a clear idea of what they wanted to achieve. Having worked with Marley Alutec on smaller projects we were confident in using the products on this build.

"The bespoke elements required for the tower meant we needed a partner that could offer complete design and manufacture of customised sections. The service we received from Marley Alutec has been excellent and since the completion of this project we have worked with them on subsequent builds including our new Scottish show home."

Drummond McKenzie, Sales Manager at Marley Alutec concluded: "Aluminium systems are an increasingly popular choice on projects such as this where longevity and quality are key parts of the homeowners' specification. We are delighted to have been involved on Carmichael House and pleased to continue our work with Oakwrights Scotland."



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