



SIKA AT WORK

WELSH NATIONAL SAILING ACADEMY

ROOFING: Decothane Gamma 20 system and Sikalastic 618 15 year coating

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PROJECT REQUIREMENTS

Plas Heli, the Welsh Nation Sailing Academy and Events Centre, stands between the dunes and marina of Pwllheli in north-western Wales. Commissioned by Gwynedd County Council, who secured funding of over £8m for its construction, the centre was created to increase opportunities for the surrounding community and boost the local economy.

Due to its coastal location, the new build had to be constructed to withstand the elements, while being a stunning focal point for those living in Pwllheli and visiting from across the UK.

The main requirement of Ellis Williams Architects was to achieve a striking design using products that would offer a flawless finish alongside durability and strength, backed by guarantees.

SIKA LIQUID PLASTICS SOLUTION

Sika Liquid Plastics' liquid applied waterproofing systems fitted the bill and were specified across the building envelope. Anglesey-based Weatherwell Roofing was contracted to waterproof the roof and walls, during a winter project that required the skilful application of a variety of Sika Liquid Plastics products.

On the gabion walls, a Decothane Gamma 20 system was used, and on the concrete walls, a Sikalastic 618 15 year coating. All of the gabion walls were waterproofed down to the foundations of the building, with the liquid system seamlessly joining the walls to the roof areas. This created a 100% waterproof junction between the two, an extremely important factor for a building that must weather the coastal environment. In addition, Decothane has excellent elastic properties, making it UV stable and tolerant of thermal movement.

Our most current General Sales Conditions shall apply.
Please consult the Data Sheet prior to any use and processing.



FM 588020



EMS 588023



OHS 588025

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For the cold roofs, warm roofs and green roof area, totalling over 1000sqm, Decothane Delta 25 with applied on to various primed surfaces, from concrete deck to a mix of flat board and tapered Decotherm insulation. All the roof areas were covered by timber decking for use as viewing galleries and cafe seating areas, where a Sika Liquid Plastics protective layer was also used.

Weatherwell completed its portion of the project in 14 weeks, despite working through winter in very difficult conditions. Even in low temperatures, the team were able to expertly apply the Sika Liquid Plastics waterproofing membranes. The liquid applied nature of the products allowed a great finish, even around the more complex detailing.

The Sika Liquid Plastics technical team were on hand throughout the project to offer expert guidance, from initial design and specification to quality control during installation and final inspection, resulting in the issue of single point guarantees.

The facility has been constructed to BREEAM 'Excellent' standards with sustainable features including biomass heating, solar panels and rainwater harvesting.

Officially opened in the summer of 2015, the centre acts as a hub for national and international sailing events, as well as hosting a number of clubs and training activities.

PROJECT PARTICIPANTS

Contractor: Weatherwell Roofing

Client: Gwynedd County Council

Architect: Ellis Williams Architects

