



SIKA AT WORK

CASTLEBRAE BUSINESS CENTRE, EDINBURGH

ROOFING: Sika Sarnafil S327-15EL single ply membrane in Copper Patina



ART DECO ROOF REFURBISHMENT FOR CASTLEBRAE BUSINESS PARK



PROJECT REQUIREMENT

A 1936 listed building with stunning art deco details, designed by architects Reid and Forbes, Castlebrae Business Centre was a former school that needed desperate renovation to benefit the local community.

As part of an extensive £2m renovation project to provide over 35,000ft² of modern commercial space within the building, roofing contractor, Avonside Scotland, and Sika Sarnafil stepped up to challenge of refurbishing the roof, with no disturbance to the offices below.

Due to Castlebrae being a listed building, the new roofing system had to be sympathetic to the heritage and style of the construction. At 2,200m², the roof of Castlebrae was incredibly complex, split into 16 separate areas, each with its own set of considerations. The listed status also meant that the outside edge detail at roof level had to remain unchanged. Furthermore, the top of the parapets contained original glazed bricks that had to remain visible and untouched.

Adding to the challenge, the building would need to be occupied throughout the refurbishment, and all interior and roofing work had to coordinate to accommodate this.

SIKA SARNAFIL SOLUTION

To emulate the original green mineral felt system on the roof, a Sika Sarnafil S327-15EL single ply membrane in Copper Patina was selected for the project.

Avonside and Sarnafil worked together to draw up a bespoke Sarnametal detail, ensuring that the outside edge and glazed bricks were conserved. Refurbishment of the existing lead outlet details also proved problematic, however thanks to the flexibility of the Sarnafil membrane, Avonside was able to overcome these details and finish them to a high standard.

The project was supervised and installed by Avonside's team of Sarnafil trained fitters. Work was overseen by Sarnafil at every stage, with regular site visits to ensure that workmanship passed the high standard required to sign off the final guarantee of 15 years.

The project took a year to complete, from March 2015 to March 2016. The Avonside team had to work through rain, high winds, snow and freezing temperatures, to make sure that the various phases of the project were completed on time.

As several parts of the building were in use during the work, it was essential that disruption was kept to a minimum at all times. All deliveries and movement of materials were managed and planned into certain time slots, and constant diagnostics of the roof were completed to make sure it was totally watertight.

Constant communication between Avonside, Sarnafil, the main contractor, and the client was required, as the roofing work was coordinated to take place at the same time as internal work below. As one part of the building was complete, new tenants would move in, and another section would start. Strict handover dates were in place for each phase, increasing the pressure to get everything finished on time.

The end result is stunning, with the Sika Sarnafil Patina Green membrane complementing Castlebrae's art deco aesthetic beautifully. The building has been restored to its former glory, and will be able to be used by the local community for many years to come.

[VIEW DRONE FOOTAGE OF THE FINISHED ROOF HERE](#)

PROJECT PARTICIPANTS

Client: Castlebrae Business Centre

Contractor: Avonside Scotland

Area: 3,500m²



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