

CASE STUDY

CRICHTON CASTLE

Remote 14th Century castle will be protected through the 21st Century by mastic asphalt



Crichton Castle is a Grade A Listed Building and Scheduled Monument that occupies a dramatic rural setting at the top of a steep slope overlooking the River Tyne in Scotland.

This moorland location provided the first major obstacle that award winning Lenaghan Roofing Services had to overcome during the roof renewal as the building is only approachable via a rutted track, which made getting materials and equipment to the site extremely difficult.

The second obstacle that Lenaghan had to contend with was finding a roofing material that would successfully integrate with the original building and its surroundings. Parts of the castle date from the 14th century, when a single tower was built by the Crichton family. The castle later passed into the hands of the Earls of Bothwell and in the 1580s, Francis, the Fifth Earl of Bothwell, extended and embellished the estate in the Renaissance style which he had encountered during travels in Europe.

Although now a ruin, Crichton Castle is renowned for its stunning 16th century courtyard and the roofing material had to be sympathetic to this. The roof also had to be capable of conserving the remains of this striking building for as long as possible, and a durable waterproofing membrane was required. Mastic asphalt was therefore the ideal solution, as it is robust yet in keeping with the character of the castle and the locality.

Project Sector: Historic refurbishment
System: Hot applied Mastic Asphalt
Products Used: Permaphalt Polymer Modified Mastic Asphalt
Contractor: Lenaghan Roofing Services
Completed: September 2005
Size: 130m²
Contact: Lenaghan Roofing Services
101 High Street, Bonyrigg,
Midlothian EH19 2ET
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130sq m of Permaphalt Polymer Modified Mastic Asphalt from Permanite Engineered Roofing Systems was used for the project. The polymer content provides a higher performance than conventional grades of mastic asphalt and results in a combination of traditional appearance and superior stability.

Permaphalt gives long term durability plus increased fatigue resistance whilst still using traditional asphalt application techniques, making it a perfect material for refurbishment projects as it provides excellent protection without detracting from the ambience of the building.

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