

Benton Castle, Pembrokeshire

Location	Benton Castle, Pembrokeshire, Wales
Date	September 2013 - August 2014
Products	Silancolor Cleaner Plus Silancolor Plus Primer Silancolor Pittura Plus Mapesil AC - 100 White
Project Type	Restoration & Protection
Owner	Private Dwelling

The Background

A medieval castle originally built by Bishop Beck in the 13th century. The ruins were substantially restored during the 20th century and it is now a private residence. The single tower is believed to have originally been adjoined to a smaller tower by the curtain wall.

The small medieval castle of Benton and its surrounds, represented the knight's fee within the lordship that belonged to the Barony of Walwyn's Castle. By 1307, it was held by the Barony of Thomas de Roche, Lord of Llangwm. It comprised 10 carucates of land, held by homage and knight-service, and one curtilage. Benton appears not to have been manorial and may never have supported a vill. The area around the castle was probably always wooded.

The Project

Mapei's Silancolor Paint system has been used to restore Benton's 13th Century castle, in Pembrokeshire, West Wales. The system was installed as part of a refurbishment to help protect the external stone-built surface.

Prior to installation of the system, the weathered





external masonry walls were cleaned and a silicone primer was applied to the original substrate. The Mapei system offers a one-stop shop system approach to façade repair with all materials being available from a single source.

Approximately 800m² of Silanolor Cleaner Plus, a protective, water-based cleaning product was used to clean the surface, as the previous coating and mortar were damaged due to coastal weather from the estuary below, moss in the mortar and an algae infestation on the North face from adjacent trees.

Mapei's Silanolor Plus Primer, a silicone resin based primer in water dispersion was then applied to the outer walls of the building to help regulate the absorption of the substrate and protect the wall surface from further chemical aggression.

To finish, a coat of Silanolor Pittura Plus, a water-repellent and breathable, protective decorative coating, was applied to provide a long-lasting protective coating to help prevent micro-organisms (such as mildew, mould and fungi) reforming on the external façade. In addition, Mapei's Mapesil AC a solvent-free, acetic cross-linking, mould resistant silicone sealant, was used for the restoration of the cracks in the external façade.

The project is now fully restored.



View our website for the complete range of Mapei Silanolor products, or contact our technical team for further information on 01462 421333.

