



Penrhyn Castle, North Wales

Damp Proofing a Stunning 19th Century Castle

The Project

This enormous 19th Century Castle in Snowdonia, North Wales is in neo-Norman style, and is one of the most admired of the numerous mock castles built in the United Kingdom in the 19th Century. A former garage, originally the Castle brewery, was being transformed into a new courtyard cafe. The brickwork was very affected by penetrating damp ingress and structurally degraded, and a damp proofing solution was required which would be acceptable for use in this historic building.

The Solution

As the [National Trust](#) wanted to retain the appearance in keeping with the original lime plasterwork, [Newton 805 Newlath](#) damp proof membrane was recommended. Finished with plastered universal one coat plaster, the membrane would provide a strong, dry and authentic looking wall finish.

805 Newlath is ideal for treating damp in listed and historic buildings and has been used on projects including the Houses of Parliament and Windsor Castle.

Acting as a physical barrier between the wall and finish, the membrane is fixed internally to the affected areas, allowing the walls to breathe and helping damp completely dry out.

The Result

After the installation of Newton 805 Newlath and the accompanying plaster finish, the walls retained the undulating aesthetic and the new finishes are guaranteed to be protected from penetrating damp.

The treatment is reversible, so if required in future, the wall can be returned to its original state.



Penrhyn Castle is a stunning neo-Norman Castle.



The outbuilding is now free from damp problems.



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The Products

805 NEWLATH

Newton 805 Newlath is a composite damp-proofing membrane comprising of high density polypropylene membrane with a polythene mesh heat welded during the manufacturing process to the surface of one side.

This meshed surface creates a mechanical key to allow the membrane to be plastered, rendered or to receive dot & dab plasterboard.



The outbuilding was affected by penetrating damp.



The space is now a small cafe for visitors to relax in.



Newton 805 Newlath was the ideal solution to the damp problem.

Newton Specialist Basement Contractors

Newton recommends that our systems are installed by one of our nationwide network of Newton Specialist Basement Contractors (NSBCs). Trained by Newton, NSBCs offer a full guarantee on the design and installation, and can act as Waterproofing Design Specialists.



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