



Case Study

PONTARDAWE, SWANSEA, SOUTH WALES

In Picture

Alltwn Primary School

Damp Proofing Project: Curing Aggressive Damp Penetration Externally with Newlath 2000. Client - Neath and Port Talbot County Council

History

This School is located in an extremely exposed area which resulted in driving and penetrating rain hitting the outer fabric of the building. Consequently, moisture permeated the structure and damaged internal finishes within the classrooms. As this local authority has used Newton Newlath 2000 successfully on other projects, they specified Newlath 2000 be applied externally to eradicate this problem. The membrane could not be applied internally because of the disruption it would cause to teachers and pupils.

Methodology

The Newton Newlath 2000 membrane was applied. The fixing centers were generally spaced at 200mm but reduced to 100-150mm in the demanding areas. A 6:1:1 clean sharp sand, cement, lime mix was then applied in 2 coats to the membrane with a rubbed float finish in preparation for decoration.

Result

This contract was in excess of 250 square meters and the local authority were delighted that the project came within their budget and was completed ahead of schedule using the externally applied technique.

The Benefits

The existing substrate, which was constantly saturated, is now in the process of drying out aided by the 5mm air gap created by the Newton Newlath 2000. In addition, any further attempts of moisture entering the building fabric is repelled by the membrane system.

Great U Values are now being achieved with the membrane warming the interior of the school.

No expensive re-pointing was required.



Project Completed - External damp proofing works with top quality finish and achieved within client's budget



Applying Newlath 2000 damp proofing membrane to walls.



The external application allowed works to be completed without causing disruption to school.



Front view of gable after renders and decorative finishing applied over Newlath 2000 damp proofing membranes