

CASE STUDY

Stroud College, Stroud

New state of the art development



The old Stroud College was beyond repair and refurbishment was never a viable option. So early in 2006 main contractors Moss Construction commenced construction of the new college.

The roof was always going to be a major element in the project. It included approximately 4000 square metres of flat roof area but also featured long sweeping curves and parapet walls measuring from 600mm up to 4.5 metres in height.

A SpectraROOF system won the project, the decision being made primarily by virtue of SpectraROOF's environmental responsibility in manufacture, installation and eventual re-cyclability. The main contractor was also concerned that, in the event of damage, there could be the possibility of unsightly repairs. However he was reassured that SpectraPlan's unique membrane properties not only gives it high resistance to mechanical damage, but also an ability to be repaired without the use of patches.

Hodge Single Ply, one of SpectraROOF's most experienced installation contractors, was awarded this challenging but prestigious contract. The estimated installation programme was 16 weeks - Hodge Single Ply completed in 12 weeks, four weeks within the project period. The speed of installation was greatly assisted by SpectraPlan's ability to be welded over a greater temperature range, thereby not being potentially slowed down, or affected by adverse weather conditions.

The roofing system encompassed a metal deck of Corus D35 plain galvanised also installed by Hodge Single Ply, then a polyethylene VCL under 100mm IKO Enertherm PIR Insulation and completed with SpectraPlan SM 120 Dark Grey membrane. The system was mechanically fastened both on the flat and on the upstands and included 50mm Spectraclad trims and facings on outside walls.

A further 400 square metres is to be loose laid to take 50mm paviors for foot traffic.

Project Sector: Local Authority
System: Spectraplan Mechanically Fixed
Products Used: SM120
IKO Enertherm
Spectraclad coated metal
Contractor: Hodge Single Ply
Started: May 2006
Completed: September 2006
Size: 4500m

