

LIGHTERMAN HOUSE, LONDON

Green roof on a SpectraROOF single ply waterproofing system



Low weight, low cost and low maintenance were all targets which had to be met for the green roof on Lighterman House in London's King's Cross area. However, IKO PLC was able to deliver a solution which not only met the strict criteria and the Borough's planning constraints, but which was also high in quality.

Lighterman House features serviced office suites which are fully furnished with modern designer furniture, boardroom facilities, 24 hour access, comfort cooling, fax and photocopier facilities. The King's Cross area has undergone huge regeneration in recent years and is now a vibrant hub in the north of the city.

The Mansard roof of Lighterman House was waterproofed using Armourplan Single Ply Roofing Membrane, and the slate areas of the roof rely on a breathable membrane..

Armourplan is a polyester-reinforced PVC membrane which is suitable for use on a wide range of roofing applications, including refurbishment, new build and more specialist installations such as simulated metal roofs. With a successful track record spanning over 30 years, Armourplan offers many benefits including; exceptional mechanical properties and product performance, high UV resistance and a long service life, efficient and safe installation, and secure seam welding quality. Armourplan gives an aesthetically pleasing finish and has a complete range of fixings and accessories.

Project Sector: Commercial (Serviced Offices)

System: Single ply

Products Used: Armourplan Single Ply,
IKOgreen Green Roof System

Contractor: John Marioni Roofing Services

Started: September 2007

Completed: September 2007

Size: 186m²

Contact: Tim Wood

Armourplan exhibits outstanding mechanical properties because of its unique polyester reinforcement. This makes it ideal as a root barrier for the IKOgreen Extensive Green Roof, which also features a drainage layer, growing medium and a sedum blanket finish.

Green roofs are an increasingly common sight in London (at least for anybody able to look down on the city). Thanks to the efforts of green roof evangelist Dusty Gedge, the Green Roof Campaign, and a wider understanding of the benefits of green roofs, this sustainable technology is set to become ever more popular. The finished roof of Lighterman House provides stunning views over the city, with the 'Gherkin', London Eye, Kings Cross Station all clearly visible. The client, David Green – a prominent property developer - is extremely pleased with the finished roof.