

## CASE STUDY

# POLYGON HOMES, SLOUGH

'The Curve' apartment development receives an aesthetic roof top



The Curve offers a new private collection of one, two and three bedroom apartments, forming part of a distinctive development with shops at street level. As requested by the client, the new development required a green roof covering as the surface finish. The shape of the building makes this project interesting, and unusual by having curved parapet walls.

The client's request was for a loose laid membrane system which was rejected to accommodate the use of a more resilient waterproofing that would suit the method of construction. Permaphalt mastic asphalt was then selected to be the most suitable solution to assist the programme requirements.

Permaphalt mastic asphalt is a specially formulated mastic asphalt roofing, using advanced polymer technology to give the ideal combination of long term durability, increased fatigue resistance, improved temperature stability and ease of installation.

A Plasfeed 5+1 drainage / retention board was applied to provide a base for the extensive growing medium, and IKO

**Products Used:** Permaphalt Mastic Asphalt  
IKOgreen Extensive System  
Supertherm 350 XPS

**Contractor:** Oxford Asphalt

**Started:** June 2008

**Completed:** September 2008

**Size:** 470m<sup>2</sup>

**Contact:** Gary Judd

pre grown sedum blanket provided the top covering. IKOgreen drainage edge retention trim, part of Permanite Engineered Roofing System's extensive range of living roof products, was then installed to perimeter kerbs to complete the project. The retention trim was bonded in IKOpro PU Adhesive.

The lower roof of the development is overlooked by residents, and that combined with the view of Windsor Castle, enhances their living space.

**PERMANITE**  
ENGINEERED ROOFING SYSTEMS