

# PROJECT STUDY



The impressive Belvedere Court 4-storey building, which was converted from a hotel into 16 prestigious residential apartments in 2008, recently underwent further development including extensions for additional accommodation, basement housing, a communal swimming pool, a theatre and an underground car park.

As part of the refurbishment of the site, the failing waterproofing of the green roof on the car park roof deck needed to be removed and replaced. Bauder approved contractor, The Complete Roofing Company (TCRC), initially proceeded to remove the existing pathways and landscaping before removing the failed system and providing remedial repairs to the damaged roof.

With the car park roof also being used as a recreational green roof for the residents of Belvedere Court, the Bauder Hot Melt Intensive Green Roof System was an obvious choice. With a durability to match the expected life of the building and as a tough, flexible and self-healing system, the Bauder Hot Melt Bakor 790-11 EV with Polyester reinforcement creates a resistant monolithic waterproofing membrane whilst the Bauder AP2 root barrier provides resistance to the system allowing for a green roof to be installed above.

## BUILDING BOARD

Project:	<b>Belvedere Court</b>
Location:	<b>Sidmouth, Devon</b>
Roof Area:	<b>1,316m<sup>2</sup></b>
Specifier:	<b>The Complete Roofing Company Ltd</b>
Approved Contractor:	<b>The Complete Roofing Company Ltd</b>

## APPLIED PRODUCTS

- Bauder Bakor 790-11EV hot melt waterproofing system with AP2 root resistant protection membrane.
- Bauder green roof components:
  - FSM600
  - DSE40
  - Bauder intensive substrate.



On completion of the waterproofing elements the roof was leak tested to ensure the roof's integrity. The TCRC then installed the Bauder green roof components; PE foil, FSM600 protection membrane, DSE40 drainage layer, filter fleece and over 300 tonnes of Bauder intensive substrate. Finally, Rowland Gold turf was then installed with a drip line irrigation system installed under the turf.

Bauder were able to provide a 20 year material and workmanship guarantee to the client.

# BAUDER

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