

### Beddington Zero Energy Development (BedZED)

Roof waterproofing for one of the UK's largest and best known sustainable developments



Beddington Zero Energy Development (BedZED) comprises a development of 82 homes in the London Borough of Sutton and is the UK's largest mixed use sustainable community. It was designed to create a thriving community in which ordinary people could enjoy a high quality of life, while living within their fair share of the Earth's resources. Green features include excellent insulation, south facing terraces to maximise heat gain from the sun (passive solar gain), on site car club, and free electric charging point for cars. BedZED was built from natural, recycled and reclaimed materials and was designed to be 'carbon-neutral'.

The warm roof design for the garden terraces and higher level roofs comprised an Axter two layer waterproofing system with an underlayer of HYRANGER 25/25 TS and a cap sheet of FORCE 4000 TRAFIC. Greening comprised a mix of extensive sedum planting with turfed areas.

Client	Peabody Trust
Architect	Zed Factory Ltd (Bill Dunster)
Main contractor	BioRegional Development Group Gardiner & Theobald
Axtershield Installer	RAM Roofgarden Ltd (M & J Roofing Ltd)
Area	6,100 m <sup>2</sup>
Axter materials	HYRANGER 25 / 25 TS underlayer FORCE 4000 TRAFIC cap sheet
Awards	2003 Stirling Prize – Short listed Main Award & Winner Sustainability Award 2003 RIBA London Awards – Special Award Sustainability 2003 Housing Design Awards Winner – Best project & Sustainability Award

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