

## International Green Roof Association Global Networking for Green Roofs



### Project Data

Project:	Royal Arsenal
Client:	Berkley Homes
Location (City, Country):	London, UK
Year of Construction:	2005
Roof Size:	1,000 sqm
Building Type:	Residential
Green Roof Type:	Intensive
Vegetation:	Lawn, bushes and trees
Architect/Designer:	Broadway Maylan
Contractor:	Tilbury Contracts

### “Award Winning Green Roof at Woolwich Arsenal”

An award-winning, landscaped green roof has been built directly in front of the fine historic buildings at the Royal Arsenal at Woolwich in southeast London.

Woolwich Arsenal recently secured first place in the 2006 Flat Roofing Alliance (FRA) awards, gaining recognition in the best refurbishment project over 1000 square metres, and was commended by the judges, who described it as “a well-delivered roofing solution, coupled with the creation of a very impressive amenity space. A good, green solution.”

The use of a drainage layer in conjunction with irrigation units enabled Alumasc to create an irrigation system within the green roof build up, which minimised the amount of water required to sustain the planting. Due to the nature of the irrigation it was unnecessary to consider any requirement for acid dosing of the water to be used, which substantially reduces the health and safety risk that would have been present with any other irrigation.

This project was completed to enable the footprint of the structure to be handed back to the community for recreational purposes and is an exceptional example of how a flat roof can benefit the local community.



*Alumasc Exterior Building Products Ltd provides a unique fusion of premium products, technical expertise and project support to the construction market. Alumasc’s ZinCo green roof systems are designed to suit every type of roof structure from*

*the “Ecological Protection layer” provided by extensive landscaping, to the fully developed “Parkland on the roof” that can be achieved with Intensive landscaping. Green Roofs benefit the wider environment through their positive impact on sustainability, biodiversity and the attenuation of storm water, making our cities better and healthier places to live.*