



Case Study: Arsenal Emirates Stadium

Project

The Emirates Stadium, London

Architect

HOK Sport

Main Contractor

Sir Robert McAlpine

Roofing Contractor

Prater Ltd

Roofing System

Special colour RAL 7040
Sarnafil S327 membrane,
mechanically fastened to
plywood over metal deck

Project Size

27,200m²

A Premier Solution.

The complex and striking steel work on the roof of the Emirates Stadium, new home to Arsenal football Club, posed design, aesthetic and installation challenges for the architect and contractor in the specification of the roofing product used.

This stunning project, which was built by Sir Robert McAlpine and won the 2007 Building Award for 'Project of the Year', seats 60,000 supporters in a spectacular four-tier structure, which reaches over 41 metres from pitch level to the top of the roof.

An exceptional level of detailing was required due to the complex exoskeletal steel framework, with the superior aesthetics of the finish a key factor; Sarnafil was specified for the flexibility of the product, in terms of colour, detailing, and guarantee options.

The membrane was manufactured in a special colour RAL 7040 to meet the architect's requirements and to match with the colour of other roofing products used.

Due to the size of the project, 27,200m², a Sarnafast system was used to increase the speed of the roof installation without compromising the quality, and the Sarnafil single ply membrane was welded with a Sarnamatic 661 automatic welder for consistent quality. The roof build up was unusual; a metal deck was installed first to which a plywood deck was fixed. The Sarnafil membrane was then installed to ensure watertight finish.

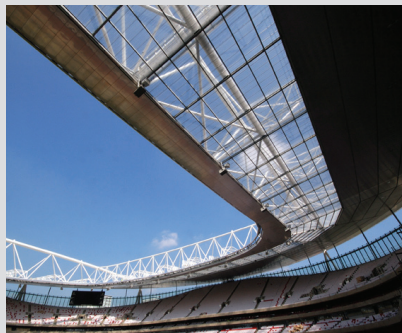
This, combined with the experienced work force of Prater, made installation quick and efficient, passing all the stringent checks of the Sarnafil Field Technician. Andy Newman of Prater commented "We have worked with Sarnafil for many years now; we both have exacting standards, with health and safety of paramount importance and a commitment to providing the best products installed by experts".

The finished result is one that all involved can be proud of and one that will shelter football fans from the elements for many seasons to come.

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For further information about Sarnafil roofing systems, please call us on 01603 748985, visit www.sarnafil.co.uk or email roofing@sarnafil.co.uk.



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