

CASE STUDY

Swords Community College

"It was an educated decision to change to an IKO System"



Swords Community School project consisted of the design and construction of two school buildings with a floor area of 15,913 sq.m as follows:

- 1). A new two-part 3 storey, part two storey 11,397 sq.m. Post Primary School including a two classroom special needs unit and sports hall.
- 2). A new Primary School consisting of a two storey 24 classroom 4,516 sq.m. with a two classroom special needs unit and GP Hall.

The Main Contractor ABM Construction secured the contract.

The team at ABM Construction were keen to select the right materials for the job and undertook a process to provide the most cost effective roofing solution whilst not jeopardizing on quality and a bespoke RAL colour to reflect old Copper Green.

The IKO Armourplan SM150 Waterproofing System was approved for the roof after stringent technical analysis and due diligence by the architects – Oppermann Associates.

The D60 metal deck was a perfect structure to receive an Armourplan single ply pvc warm roof system.

IKO Spectravap was loosed laid and all laps taped and sealed with our bituminous Hyload tape. The Kingspan TR26 ALU Insulation was mechanically fixed to the D60 Metal Deck. The IKO Armourplan SM150 (1.5mm) was Isowelded to the fixing plates and a standing seam profile installed at 500mm centres.

Armourplan SM150 is a 1.5mm thick reinforced PVC single ply roofing membrane which forms a sleek skin on many types of roof application.

BBA Certified, the Armourplan Waterproofing Systems

Project Sector: Education

System: Armourplan SM150 Warm Roof

Products Used: Spectravap VCL

140mm Kingspan TR26 Insulation

Armourplan SM150 Copper Green

Armourplan Standing Seams

Contractor: ACB Group

Started: September, 2019

Completed: July 2020

Roof Size: 7,500m²

Contact: Shane O’Gorman

Features and Benefits include:

- Good UV resistance and durability
- Good mechanical properties and product performance
- Efficient and safe installation
- Secure seam welding quality
- Aesthetically pleasing finish
- Complete range of fixings and accessories available

Armourplan is ideally suited for use in a wide range of roofing applications on both flat and sloping roofs as the membrane can be installed on to most common substrates and is suitable for both new build and refurbishment installations and for specialist applications such as simulated metal roofs.

