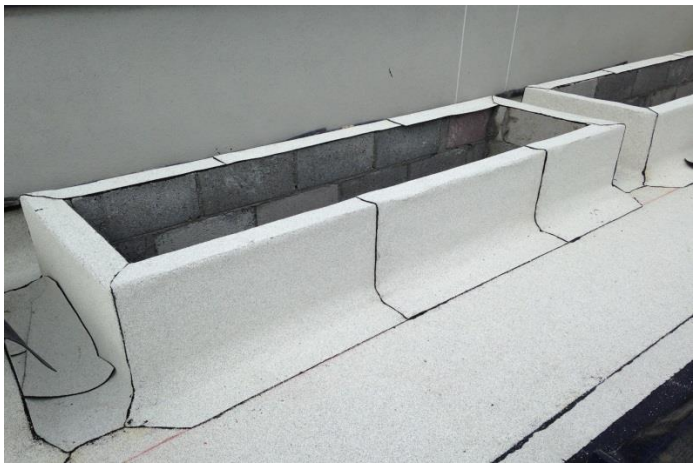
Case Study

Dublin Institute of Technology Grangegorman - Energy Centre



Project Brief;
The Energy Centre will provide housing for ESB, MV & LV Switch rooms & Communication Servers for the new D.I.T campus at Grangegorman. Known to generate heat these buildings must be retained at controlled temperatures with roof mounted AHU's. To reduce the energy consumption and stress on the units DMOD Architects specified the IKO Cool Roof System. The White Surface reduces the ambient air temperature by more than 30° reducing the thermal flux of the building. By reducing the ambient air temperature less energy consumption is required from the AHU's to cool the building. The membrane also contains Air care technology by conversion of Nitrogen oxide and Sulphur oxide into environmentally neutral substances thus reducing the Clients Carbon Footprint. In addition to this Profatec ECO has the highest rated fire retardant and is produced with recycled products using solar energy.

Specification Build up; IKO Profatec ECO 4.5mm fire retardant Capsheet fully torch bonded to Glassgum 3mm Underlay bonded to IKO 3.2mm Protectoboard on Kingspan PIR rigid insulation on IKO Glassgum 2mm fully torch bonded vapour control.

Project Sector:	Education
Architect:	DMOD Architects
Main Contractor:	Manley on behalf of Roadbridge
Roof Consultants:	The Roof Centre Ltd.
Roofing Contractor:	Shamrock Asphalt Ltd
System:	IKO Warm Roof.
Size:	300 m²

ROADBRIDGE CIVIL ENGINEERING & BUILDING CONTRACTORS

MANLEY CONSTRUCTION

DMOD ARCHITECTS

Shamrock Asphalt Ltd

Unit 45, Finglas business Centre, Jamestown Road, Dublin 11
Phone: 01 8341060 fax: 01 8341050
Specialist Installers of IKO Roofing Systems

IKO Setting the standard in roofing and waterproofing