

CASE STUDY

Penrose Dock, Cork



Penrose Dock located on Penrose Quay in Cork City was developed by JCD to provide next generation office capacity to meet the demands of a growing city.

Main Contractor PJ Hegarty secured the contract to construct the landmark building. Approved IKO Systems Installer MS Roofing were selected as roofing contractors.

The IKO Permaphalt Waterproofing System was approved for the roof following technical analysis and research by the highly respected Wilson Architecture. The IKO Carrara cap sheet incorporating 'Cool Roof and Air purification technology' was selected to assist in achieving the target of minimum Gold LEED standard.

IKOpro bitumen primer was applied to the concrete deck with IKO Sealbase fully torch bonded. Xtratherm 130mm MG PIR insulation was mechanically fixed. A layer of glass tissue and black sheathing felt were then applied. Two 10mm coats of IKO Permaphalt polymer modified mastic asphalt provided the waterproofing layer. IKO Carrara cap sheet was fully torch bonded to protect the asphalt.

Project Sector: Office

System: IKO Permaphalt warm roof

Products Used: IKO Sealbase VCL

130mm Xtratherm MG Insulation

IKO Permaphalt

IKO Carrara

Contractor: MS Roofing

Started: August 2019

Completed: July 2020

Size: 3900m2

Contact: Karl o Mahony

IKO Permaphalt

Key features and benefits• Manufactured in the UK under the BS EN ISO 9001, Quality Assurance Scheme• BBA certified• BRE assessed• Loss Prevention Certification Board (LPCB) Approved - Certificate No. 666a• Fire Performance achieving BS 476: Part 3: FAA

- Advanced polymer modification• Completely seamless waterproofing• Long term durability• Enhanced product stability across a wide temperature range • High fatigue resistance•