CASE STUDY

PLOT 7 PERRY BARR RESIDENTIAL SCHEME, BIRMINGHAM

IKO Permatec

Project sector: Residential



CONTRACTOR
BriggsAmasco

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CASE STUDY

BRIEF

The Perry Barr Residential Scheme is a collaborative £700m development designed to deliver 1,400 sustainable, new 1-2 bed apartments in Birmingham as part of a major regeneration of England's 'Second City'.

The complex is on the site of the former Birmingham City University north campus, which was originally planned to become an Athletes Village for competitors in the 2022 Birmingham Commonwealth Games.

Instead, the apartments – a proportion of which are affordable properties – will fulfil a part of Birmingham City Council's long-term masterplan. 'Perry Barr 2040: A Vision for Legacy' outlines how the authority intends to regenerate the north Birmingham district over the next 20 years.

Main contractor Vinci Construction selected BriggsAmasco to design and install waterproofing for multiple roofs and a communal podium for Plot 7 of the Perry Barr Residential Scheme.

The scheme's £2m waterproofing aspect involved six residential blocks, containing 150 apartments, and comprised high and low-level roofs, terraces, balconies and green roofs across a 5,200m² area.



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INSTALLATION

BriggsAmasco was tasked with delivering a watertight, thermally-efficient seal for a total of 10 roofs at the development. For the high-and-low-level roofs, and roof terraces, a system comprising IKO Permatec liquid hot melt was designed and installed as part of a build-up including 160-200mm insulation.

The tough, rapid-setting system was ideal for the Plot 7 programme, as it ensured interior works were able to begin on time and remain protected against the elements. IKO's UK manufacturing capabilities and IKO Permatec's high volume of recycled content also boosted the project's environmental credentials.

The system was also installed for the communal podium area prior to its attractive paving finish. For Plot 7 Perry Barr's balcony areas, BriggsAmasco installed the IKO Polimar FCS cold-applied liquid system.

The programme presented a number of logistical and technical challenges. For instance, working in tandem with various trades on up to six different building areas at any one time proved complex.

A programme of works was subsequently drawn up between BriggsAmasco, brickwork contractors and other on-site trades to ensure schedules remained on track, as well as regular site meetings and video conferences. Storage space was also limited due to strict site restrictions, so materials delivery was staggered to accommodate.

Despite the testing working environment, BriggsAmasco completed the huge, logistically-challenging 19-month Plot 7 project to the agreed deadline, without a single H&S issue being reported – creating a visually-stunning and sustainable building for the ages.



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CASE STUDY

IKO GUARANTEE

25 years

SYSTEM

IKO Permatec



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