



CASE STUDY

CULHAM SCIENCE CENTRE, OXFORDSHIRE

IKO ULTRA Gold 20



Project sector: Commercial

CONTRACTOR

Amber



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CASE STUDY

BRIEF

Amber and IKO worked together to deliver a sensitive scheme for a new client. This project was located at the Culham Science Centre, the UK Government's research facility for Fusion Energy.

Delivered by their in-house roofing teams, Amber installed new IKO roof coverings to circa 5,500m² comprising several roof areas.

The works also comprised of the installation of 12 new rooflights, a new freestanding guardrail, and new cappings. Amber worked closely with IKO to ensure the works were completed on time, on budget, and to an outstanding standard.

CHALLENGES

Height – providing safe access and a place of work on a roof 35 metres high.

Weather – the roof would be open and exposed to extreme weather conditions due to height and location.

Stripping asphalt, insulation, paving slabs, and Lytag and getting it safely to the ground.

The concrete deck was poured in situ, concrete that was too rough to accept the weatherproofing needed to be scarified before installation.

The cavity trays were too low.

The site is a torch-free zone.



BEFORE



AFTER



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SOLUTION

Scaffolding with a roof and side sheeting was erected to protect the site and allow work to continue despite weather conditions.

External access – a material hoist was installed to get people and materials to the roof for the installers. It also helped protect residents who were shielding due to COVID-19.

Encapsulated the parapet having established that the trays directed water out of the building fabric.



BEFORE

IKO GUARANTEE

20 years

SYSTEM

IKO ULTRA Gold 20



AFTER



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