



SYSTEM	PROTEUS PRO-COLD®
PROJECT TYPE	REFURBISHMENT
INDUSTRY	EDUCATION
APPLICATION	FLAT ROOF
SIZE	3,000 M²

PROJECT OVERVIEW

The Tait Building at City St George's, University of London houses the university's mathematics, computer science and engineering programmes. Its flat roof had suffered previous leaks, and a new membrane was required, supported by a guarantee that had to be in place before the roof's solar panels could be reinstalled. Following a survey, Proteus Pro-Cold® was applied over the existing roof across the 3,000 m² area.

KEY CHALLENGES

Working around immovable plant

It was not possible to remove or raise the existing plant equipment on the roof, so the new waterproofing had to be detailed around every item in place. The liquid application of Proteus Pro-Cold®, used with sealant, was worked closely around each piece of equipment to seal the roof at every obstruction.

Copper cladding that couldn't be altered

The building's copper cladding could not be altered, ruling out fixings to the facade. Proteus Pro-Cold® was applied up to the cladding and finished with termination bars and sealant.

A guarantee before the panels returned

The panels removed for the works could only be reinstalled once a guarantee was in place. A final inspection by the technical team allowed the guarantee to be issued.

CONCLUSION

By applying Proteus Pro-Cold® directly over the existing roof, the refurbishment was delivered without stripping the covering back, sealed around the retained plant and terminated cleanly at the copper cladding. Once cured, it forms a seamless, fully adhered, elastomeric membrane which does not become brittle with age, is UK manufactured and BBA certified — with the guarantee protecting the roof and the panels above it.