

City University Tait building



Project Size: **3000 m²**

Project Type: **Refurbishment**

Industry: **Education**

Application: **Flat roof overlay**

System: **Proteus Pro-Cold®**



Project Overview

Nationally a high-ranking institution, City University's Tait building is home to their school of mathematics, computer science and engineering programmes. The existing flat roof area had suffered previous water leaks; a long-term solution was required to refurbish the roof providing a suitable waterproof membrane with a guarantee.

Proteus Waterproofing were approached by the contractor to provide our expertise and continued support throughout the project. Our technicians carried out an on-site survey prior to putting forward a specification proposal outlining the most suitable resolution. Consideration was given to the need for a guarantee being provided prior to the installation of solar powered panels on the roof surface. An overlay system using **Proteus Pro-Cold®** was agreed upon as a suitable solution.

Key Challenges & Solutions

- **Immovable obstacles:** It was not possible to temporarily remove or raise existing plant equipment on the roof surface; therefore, complex detailing using **Proteus Pro-Cold®** and sealant was required to seal the perimeter of the equipment.
- **Exterior Cladding:** The exterior of the building was covered in a copper cladding which could not be altered in anyway, **Proteus Pro-Cold®** was applied then finished using termination bars and sealant for a secure finish.

- **Solar panels:** The requirement for solar panels needing to be re-installed meant a guarantee needed to be provided prior to this taking place. A final site inspection by our technical team ensured the completed roof system was ready for the guarantee to be issued so that the solar panels could then be reinstalled.

Conclusion

Proteus Waterproofing provided a seamless solution for the roof refurbishment on the City University Tait building ensuring long term protection which does not weaken with age.

Proteus Waterproofing Limited

21a Sirdar Road
 Brook Road Industrial Estate
 Rayleigh
 Essex SS6 7XF

Tel: 01268 777 871
 Email: enquiries@proteuswaterproofing.co.uk
www.proteuswaterproofing.co.uk

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