



Diamond Light Source (DLS) Oxford

Case Study

Diamond is a not-for-profit limited company funded as a joint venture by the UK Government through the Science & Technology Facilities Council (STFC) in partnership with the Wellcome Trust; it is at the forefront of British technological research and development.

Diamond Light Source (DLS) is the UK's synchrotron, which works primarily as a giant ultra-powerful microscope, harnessing the power of electrons to allow scientists to study anything from fossils to jet engines, to viruses and vaccines in an ultra-bright light. The work is therefore predominantly at sub-atomic levels and liquid nitrogen has to be used in many of their processes, which means that special protection is needed for the concrete floors in many of the experimental and research areas of the facility.

In addition the floor treatment had to provide durable protection against a whole range of different potential chemicals, together with resistance to abrasion and mechanical wear that could be involved during different research projects. To meet all of the requirements, Thelwell Flooring installed the Atako ATB-300 GL floor coating system based on vinyl ester resin, reinforced with glass fibre. This uniquely provides excellent chemical and mechanical resistance, and can also withstand frequent exposure to liquid nitrogen at extremely low temperatures.

Laboratories

Client:

Diamond Light Source (DLS)

Specialist Contractor:

Thelwell Flooring Limited

Products Used:

Atako ATB-300 GL System

Contact:

ResinFlooring Site

01257 266696

www.resinflooringsite.co.uk

