



Diamond Light Source (DLS) Oxford

Research and Development

Client:

Diamond Light Source (DLS)

Specialist Contractor:

Thelwell Flooring Limited

Products Used:

Atako ATB-300 GL System

Contact:

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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. It works like a giant microscope, harnessing the 'state of the art' power of electrons to produce ultra-bright light that scientists can use to study anything from fossils to jet engines to viruses and vaccines. Their work is therefore primarily at sub-atomic levels and liquid nitrogen is used in many of their processes and this requires special protection on the concrete floors in many of the experimental research areas of the facility.

To meet the requirements for durable protection against a whole range of different potential chemical and mechanical exposure and use during the different research projects, Thelwell Flooring installed the Atako ATB-300 GL system based on vinyl ester resin, reinforced with glass fibre. This is designed to uniquely provide resistance to the wide range of chemicals and service activities that can be used in these areas, but it was especially selected for its ability to withstand the possibly frequent exposure to liquid nitrogen at extremely low temperatures.

