

CASE STUDY: JUL 04

KOOLDUCT HELPS UNIVERSITY OF SOUTHAMPTON TO EXPAND ITS FAMOUS HARTLEY LIBRARY

The 21st century pre-insulated ducting technology of the Kingspan KoolDuct System has been used in the expansion of the University of Southampton's Hartley Library, famous for its collection of historical documents.

The University's reference library, which houses fascinating archives and collections of papers written by great figures such as The Duke of Wellington, Lord Palmerston and Lord Mountbatten, has undergone an £8 million expansion.

The project provides 4,000 square metres of new accommodation and refurbishment of a further 4,000 square metres which will allow the Hartley Library to expand its general collection for the next ten years and allow it to acquire special collections of archives for the next 20 years.

Ducting specialists Greenhall Insulation Contracts Ltd, installed a total of 700 square metres of the lightweight yet strong Kingspan KoolDuct System, externally on the roof of the newbuild section and internally for the riser ducts. The external section of the system was installed with metal cladding to protect it from the elements and the effects of pollution.



M&E Environmental Consultants Atelier 10 who specified the Kingspan KoolDuct System, said: "We consider that the overall performance and ease of installation made it the most suitable system for this project."

As part of Kingspan Insulation's commitment to provide product innovation with social responsibility Kingspan KoolDuct now has zero Ozone Depletion Potential (ODP) as standard, being fabricated from Kingspan KoolDuct zero ODP CFC/HCFC-free rigid phenolic insulation panels. The panels are faced with reinforced aluminium foil on both sides making it very durable and also aesthetically pleasing in internal applications.

Other benefits of Kingspan KoolDuct zero ODP'S 'complete system technology' enhance its appeal to specifiers. Unlike traditional sheet metal ducting, which needs to be lagged with insulation as a second operation, Kingspan KoolDuct zero ODP System, ventilation air flows over aluminium surfaces and does not have contact with any material containing loose fibres, making it ideal for high specification projects.

Rigid phenolic insulation offers several further advantages, including excellent fire resistance with negligible smoke emission and first class moisture resistance.

A CIBSE accredited CPD presentation – which addresses key issues such as running costs and environmental implications – is available from Kingspan Insulation Limited.

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