

CASE STUDY JUN03/B

KOOLDUCT IN GREAT SHAPE FOR CROSBY'S LANDMARK LEISURE CENTRE

The compact features of Kingspan Insulation's revolutionary Koolduct pre-insulated air ducting technology made it the idea choice for the new £6.5 million state of the art Crosby Leisure Centre in Liverpool.



The superb sports and leisure facility, developed by Sefton Council in partnership with Parkwood leisure and construction company G&J Seddon Ltd, is the first leisure centre to be built as a PFI project.

Officially opened by the then major of Sefton Councillor Kevin Cluskey, the leisure centre's dramatic design has made it a stunning landmark on the Mersey Estuary. Visitors can enjoy two swimming pools, a custom built sports hall, squash courts, aerobics studio, fitness and health suite, café and crèche.

With a height of less than two metres in the ceiling void to accommodate all services, the space saving advantage of lightweight et strong pre-insulated Kingspan Koolduct System made it the ideal solution in such a confined area. In addition, unlike traditional sheet metal ducting, which needs to be lagged as a second operation, the pre-insulated Kingspan Koolduct System is installed in a single fix operation which can save time and money.

A total of 1,500 square metres of Kingspan Koolduct was installed throughout the building and plant room by the James Mercer Group Ltd who worked closely with the consulting engineers John Troughear Associates.

John Troughear, of John Troughear Associates, said: "We chose the Koolduct system over conventional sheet metal ducting because of the lack of space in the services void. In addition, the proven overall performance of Koolduct met the high standards of quality required of all the materials specified for this project."

Kingspan Koolduct is constructed from Kooltherm CFC-free rigid phenolic insulation panels faced with reinforced aluminium foil on both sides and a CFC/HCFC-free version with zero Ozone Depletion Potential (ODP) is also available. Kingspan Insulation has announced that, from January 1st, 2004, Kingspan Koolduct will have zero Ozone Depletion Potential (ODP) as standard.

Other benefits of Kingspan Koolduct's 'complete system technology' that enhance its appeal to specifiers are the products extremely low level of air leakage and superior insulating properties, which can result in electrical consumption savings. In addition, the air stream in the System's sealed duct flows only across aluminium and has no contact with any loose fibres, making it ideal for use in hospitals, food and processing industries, the pharmaceutical industry and anywhere else where fibrous products are not acceptable.

As well as being CFC-free, rigid phenolic insulation offers several further advantages, including excellent fire resistance with negligible smoke emission and first class moisture resistance.

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