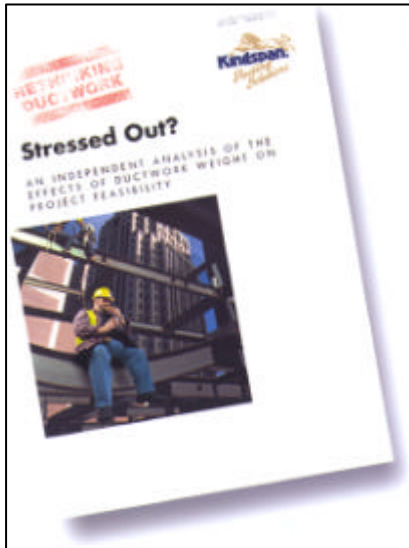


CASE STUDY: JAN 04/A

INDEPENDENT STUDY FINDS THAT LIGHTWEIGHT KOOLDUCT ZERO ODP IS THE BEST SOLUTION TO WEIGHTY DUCTING PROBLEMS

A detailed report based on an independent analysis by highly respected consultants Bucknall Austin has singled out the Kingspan Koolduct zero ODP System, the latest in ducting technology, as the most effective option for projects where weight is an issue.



The report, **Rethinking Ductwork – Stressed Out?** Is now available for specifiers, architects, contractors, installation specialists and end users. It features six case studies which assess the advantages of the lightweight properties of the Kingspan Koolduct zero ODP System of pre-insulated ducting over the use of conventional galvanised sheet metal ductwork.

The widely varying projects chosen for the case studies comprise two theatres, a pub, two retail premises and a leisure facility.

The report states that almost without exception the lightweight of the System, with a weight only 15% of that of galvanised steel ductwork, had an impact on the projects and contributed to their success.

For example, weight of the ductwork was a serious consideration in the conversion of an early 20th century church into a modern theatre. The existing listed steel truss roof had to be retained but

it had not been designed to take the loading of a ventilation system.

However the use of Kingspan Koolduct zero ODP's 'complete system technology' minimised loading and removed the need for additional support members which would have been difficult to install within the listed structure.

The report concludes: "In all situations the lightweight nature of the Kingspan Koolduct zero ODP System made the installation process easier. A further, more direct result of the lightweight properties was that the material had much reduced hazard potential on site processes.

"Risk assessment, required for all construction operations, were less onerous than those associated with installing the far heavier alternative materials and hence in the safety strategies and protection measures that had to be adopted."

The Kingspan Koolduct zero ODP System is manufactured from Kooltherm CFC/HCFC-free rigid phenolic insulation panels faced with reinforced aluminium foils on both sides. Unlike traditional sheet metal ducting, which needs to be lagged with insulation as a second operation, Kingspan Koolduct zero ODP provides a single fix fast track installation with no lagging required.

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