

## **Kingspan KoolDuct® Ducting System.**

KoolDuct Zero ODP system is like no other insulated ducting system. It is the most advanced and innovative system of pre-insulated air distribution ductwork available in the UK. (Feb 2008)

Formed from high density phenolic foam panel, with an aluminium foil face and can be jointed in many ways, including the newly patented galvanised flange system. It has a low K value, is CFC/HCFC free, is strong, lightweight, is resistant to moisture and has a low flame spread and smoke emissions.



### **BENEFITS**

**Weight** ~ Exceptional strength to weight ratio, 15% of the weight of sheet metal ducting.

**Speed** ~ Single fix system, the lightweight system requires less manpower on installation.

**Air Leakage** ~ Easily meets the air leakage requirements of HVAC DW 144 – Class C (high pressure).

**Space** ~ Can typically save 150mm to 200mm of valuable space above a false ceiling.

**Air Quality** ~ The air stream through KoolDuct flows over aluminium surfaces and does not have any contact with a material that can produce loose fibres (as if metal ducting leaks, fibres can be blown off the duct and into the general environment, where they can then transfer into recirculation systems and back into air handling system).

**Energy Efficiency & System Running Costs** ~ Can yield significant electrical consumption savings of up to 20% because of reduced heating and cooling loads.

**Strength** ~ Very strong and self supporting and can be stiffened on larger sizes using standard fittings. It is also surprisingly robust and serious damage is rare.

**Versatility** ~ Can be installed internally, externally, concealed or visibly mounted, as the system is aesthetically acceptable in open to view applications.

**Installed Cost** ~ Significant savings in cost of up to 43% on lagged sheet metal ducting.

**Reduced Site Operations** ~ Reduction of on site operations and number of personnel involved, benefiting in fewer welfare facility requirements and easing workplace congestion.

**Tried & Tested** ~ Has been successfully used on a number of projects.

*Jason Riddell*  
*Green Contract Services*  
01270 760379  
j.riddell@greencs.co.uk