

The lightweight, **pre-insulated** air movement system, designed to save you time and money.



Key benefits

of Airlite KoolDuct[®], Airlite Plenum Boxes and Armalite KoolDuct[®]

COST

- Much lower capital cost, compared with sheet metal ductwork and insulation

WEIGHT

- Approximately 15% of the weight of traditional steel ductwork and insulation
- Fewer supports required
- Single application
- ...resulting in **quicker and cheaper installation**

SUPERIOR

- Reduced air leakage
- Lower energy consumption
- Cheaper running costs
- Improved air quality
- Suitable for dry cleaning - NHS approved

STRENGTH AND VERSATILITY

- Suitable for all areas of all buildings
- Easily integrates with existing ductwork components
- Simple training provided for all installers

AESTHETICALLY PLEASING

- Suitable for 'on-show' installations and applications
- Available with many weather-proof, decorative and mechanical coverings

TECHNOLOGY

- Manufactured from Kingspan superior phenolic foam insulation panels
- Precision engineered by computerised machinery
- Hand-assembled with extensive quality controls



Cheaper. Lighter. Easier.

Airlite is the perfect solution.

Sterling Thermal proudly uses Kingspan® KoolDuct® insulation panels, boasting these features:

- Free of CFCs and HCFCs
- Chemically inert
- Zero ozone depletion potential
- Heat resistant (80°C / 70°C continuous)
- Moisture resistant (90% + closed cell structure)
- Product sustainability
- Excellent thermal performance (0.021 W/m-k at 10°C)
- Class O Fire & Smoke Performance
- Meets TIMSA Guide, BS5422:2001, NES Y50, and DEO Spec 037

Airlite KoolDuct®, Airlite Plenum Boxes and Armalite KoolDuct® are a cost-effective, innovative solution for all ductwork applications, either as an alternative to, or alongside, existing traditional galvanised ductwork.

KOOLDUCT OPTIONS



Airlite

Standard KoolDuct® reinforced aluminium foil finish.


Available in silver or black.



Ventureclad

A five-ply, laminated foil/film facing for interior and exterior application.

Available in black, white, silver and embossed.



PIB

Black, high weight molecular weight polyisobutylene, weatherproof sheeting.



Aluminium

Plain, stucco or polished aluminium cladding.

ARMALITE



Galvanised

Galvanised steel cladding.

Also available with coloured 'plastisol' finish.

ARMALITE



Aluzinc

Aluminium zinc cladding.

Available in stucco or plain finishes.

ARMALITE



Plenum Boxes

Sterling Airlite Plenum Boxes available to suit all grilles, diffusers and FCUs.


Available in silver and black.



Flange options

Industry-standard 'Doby 40' flanges.

Other aluminium, plastic and slim flanging options are available.



ThinDuct

Airlite ThinDuct to suit domestic installations.

OTHER SERVICES FROM STERLING THERMAL

Trace heating

Sterling Thermal are experienced suppliers and installers of trace heating products, and established Tyco (Raychem) partners.

Insulation

We are contractors with years of experience in thermal insulation, acoustic insulation and passive fire protection.

Underfloor heating

Experienced suppliers and installers of electric underfloor heating systems. Products also available online at traceheatingsolutions.com



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For more details and pricing information, get in touch:

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