

Crackley Hall School, Kenilworth - Warwickshire

Consultant

- Ridge & Partners

Client

- Trendgrey Ltd

Sector

- Education

Products

- MasterFlue System
- Solatube Daylight Systems

Equipment

- Ideal Harrier
- Solatube 160DS

Application

- Blown Gas
- Flat Roof



External View of Building



Architects Image

Airtherm Engineering Limited have worked with Trendgrey Construction Limited to complete the installation of a twin wall stainless steel, four hour fire rated flue installation at Crackley Hall School, Kenilworth.

The new extensions at Crackley Hall School will provide new specialist classrooms, a new hall and music centre. As Crackley Hall is a historic building and is set within a residential context, we worked closely with our client and the local planning authority to develop an appropriate solution for the termination of the products of combustion.





External Flue System

Water Heater: Ideal Cast Iron Boiler
 Model: GT Harrier 5
 Application: Chimney / Flue system
 Operating mode: Dry
 Pressure: Negative
 Working pressure: 200 Pa (product will operate 1000pa max)
 Inner wall: 316L1.4404/1.457 thickness Ø250 0,4 mm
 Outer wall: AISI 304/ 1.4301 thickness 0,5mm
 Insulation: 25mm thick
 Sealant : tri-lip 'o' type silicone ring
 Fuel type: Gas



External MasterFlue

- ***Other Application METALOTERM MasterFlue***
- Condensing boilers
- Lining of chimney stacks
- Gas blown heaters
- Industrial ovens, large-scale establishments
- Wood-fired stoves
- ***Other Advantages METALOTERM MasterFlue***
- No terminal bridges, better heat protection
- High-temperature silicone sealing ring
- Fast-build system without the need of sealants
- High quality insulation uninterrupted from base plate to top stub

Contact Details:

Airtherm Engineering Ltd
 Ventilation House,
 Unit 8,
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 Gainsborough Trading Estate,
 Stoubridge,
 West Midlands,
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Solatube Systems (rooftop)



Solatube Systems (Internal)

Product Type:	Solatube
Model:	Solatube 160DS
Light Coverage:	1032sq m (each)
Number of Solatubes:	5off systems
Location / Areas:	Classroom & Corridor
Roof Application:	Flat
Roof Type:	Sarnafil

Day Lighting systems actively capture daylight from the rooftop and project through a highly reflective tubing to where it's needed. Solatube light tube system uses the most advanced technologies to ensure that the efficiency and performance of their systems is unrivalled.

Extension tubes are available in lengths of 610mm (straight) or 380mm long incorporating a 0-30° adjustable angle along with the new 0-90° angle unit. All reflective tubes – including adjustable tubes – are manufactured from 99.7% reflective Spectralight Infinity material, allowing tube lengths of up to 15 metres for the SolaMaster 330 DS.

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OPTIVIEW® DIFFUSERS

The technologically advanced OptiView® diffuser uses a multiple Fresnel lens system with a stunning architectural look to deliver crystal clear daylight.

White Trim with OptiView® diffuser

