

About Meridian Consult Ltd

Meridian Consult Ltd was formed in 2003 with the aim to provide high quality and proactive property legislation services to the construction industry.

Since 2003, we have built upon the sound foundations laid to develop and ever expanding client base in all sectors and we pride ourselves in our customer focussed service.

The five Directors of the Company have over 50 years combined commercial experience in Building Surveying and Building Control.

In 2004, we made Staffordshire our base although, with a network of surveyors throughout England & Wales, we have developed our services on a nationwide basis.



Other Services Available From Meridian Consult Ltd: -

Approved Inspector / Building Control

SBEM Carbon Calculations

Energy Performance Certificates

Display Energy Certificates

Fire Risk Assessments

Access Audits

Latent Defects Audits

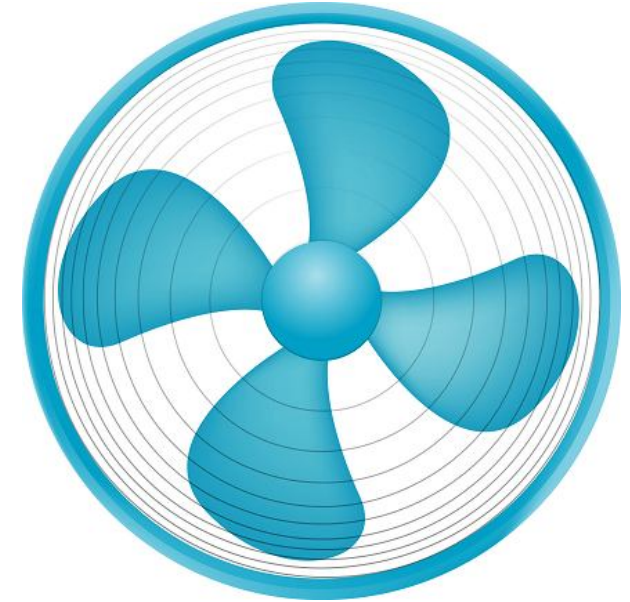
For more information visit our website at

www.meridianconsult.co.uk



Unit 12 Sugnall Business Centre
Sugnall
Staffordshire
ST21 6NF

Tel: 01785 859200
Fax: 01785 859210
Email: office@meridianconsult.co.uk
Web: www.meridianconsult.co.uk



Air Pressure Testing

Tel: 01785 859200

Email: office@meridianconsult.co.uk

Web: www.meridianconsult.co.uk



Why Conduct an Air Test?

All new dwellings must now comply with a maximum air leakage rate to meet the requirements of the Building Regulations. The Test must be conducted by a BINDT registered tester such as Meridian Consult.



Uncontrolled movement of air in and out of a building is described as "Air Leakage". The air movement into and out of a building contributes to a significant amount of energy loss in a structure, meaning there is a direct relationship between the air tightness of a building and its energy efficiency. Air leakage can account for substantial energy losses.

The Government is committed to reducing CO2 emissions from energy consumption by 20% by the year 2010. This has become increasingly relevant to housing developers with the introduction of Home

Information Packs (HIPS) which include the Home Energy Rating. Astute developers will see that building houses with energy efficiency in mind will provide them with an invaluable marketing advantage in an increasingly consumer led market.



What about Ventilation?

Controlled ventilation such as grille vents, trickle vents and extractor fans are essential to provide occupant comfort and condensation control. The airflow is controlled and designed. These openings are temporarily blocked during an air test so that uncontrolled ventilation can be measured. High rates of air leakage can result in high heating bills, cold surfaces, occupant discomfort, ineffective insulation and even ill health.

How is an Air Test carried Out?

A pressure differential is created by extracting air from the building using our high precision fan. Pressure readings are taken and used to measure the amount of air that leaks through the building fabric per hour. The internal area of the walls, roofs and floors of the building is calculated. This is then used to find the air permeability in metres cubed per hour per square metre of the building area

The limit is set by the Regulations and should be easily achievable and represents an air change of approximately 10 per hour.



In the event of a test failure we will use approved techniques to find out the main sources of the failure and give advice on how they can be remedied before a re-test.

Our Services

Meridian Consult can offer: -

- Prompt, friendly and efficient service
- Immediate on-site certification and full reporting
- Free of charge technical support offering advice on preparations for testing.
- Auditing of design detailing and advice on how to achieve your target permeability

We offer competitive pricing with discounts available for multiple dwelling developments.

To book a test or request a quotation call us on 01785 859200 or email: airpressuretesting@meridianconsult.co.uk.



Unit 12 Sugnall Business Centre
Sugnall
Staffordshire

Tel: 01785 859200

Fax: 01785 859210

Email: office@meridianconsult.co.uk

Web: www.meridianconsult.co.uk

UK CO2 Emissions By Source (%)

