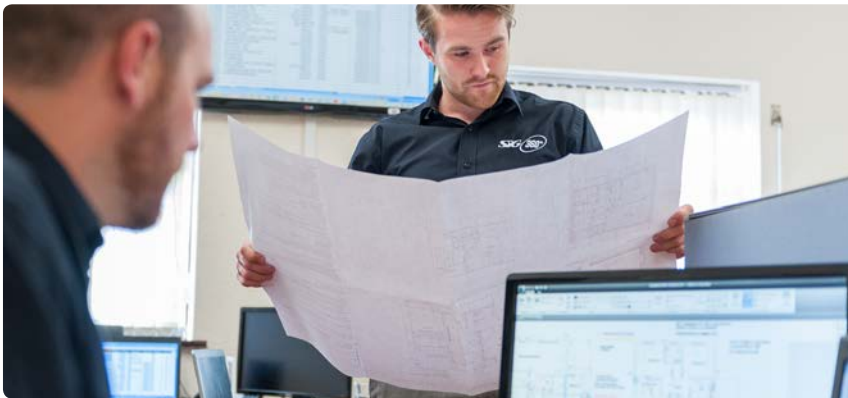


SIG360 Technical Centre

Talk to us at the start of your project for a 360° view of cost-effective and energy efficient construction



Drawing on 60 years of insulation distribution know-how we will give you all round project value engineering, saving you the time required to understand the Building Regulations and helping you to deliver cost-effective buildings.



True value engineering with impartial product advice

SIG360 Technical Centre offers the construction industry (through their fully qualified energy assessors) a unique service in the selection of energy saving construction products and guidance on building regulation compliance (all in house).

Our complete integrated service gives you unbiased access to thousands of market leading products and solutions, while our intimate knowledge of product performance helps you to make the right choice.

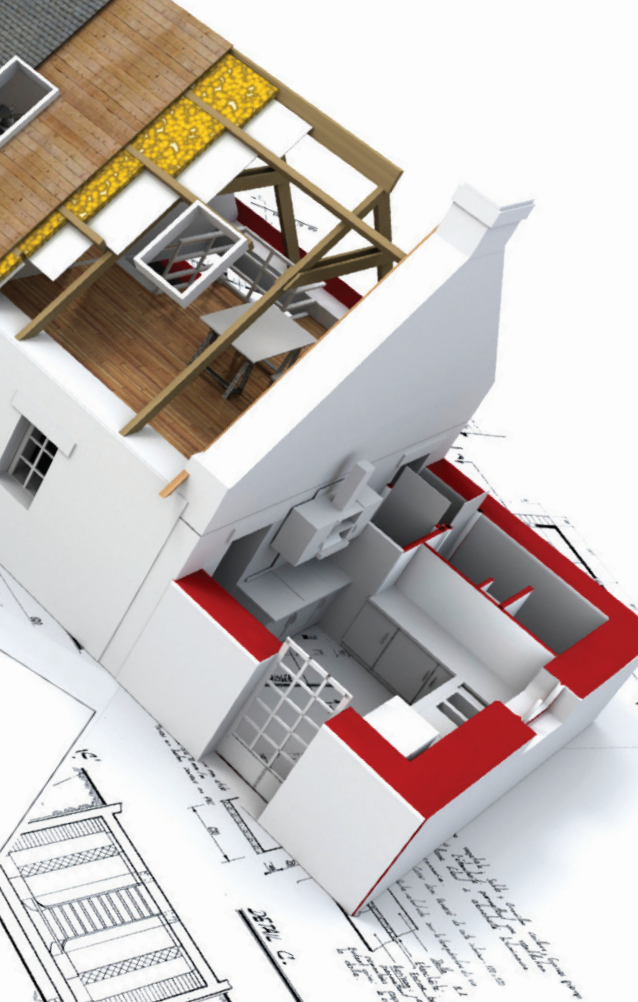
Specialising in Thermal, Acoustic, Fire Protection, Waterproofing and Geotechnical the SIG360 Technical Centre has access to an unrivalled range ensuring your project has the right combination of products to deliver the optimum building performance.

SIG knows insulation inside out

SIG pioneered insulation distribution 60 years ago and have since become the UK's market leading specialist distributor of insulation and related products to the construction industry.

We are actively involved in energy conservation through a number of our business streams and have taken the lead in the drive towards sustainability.



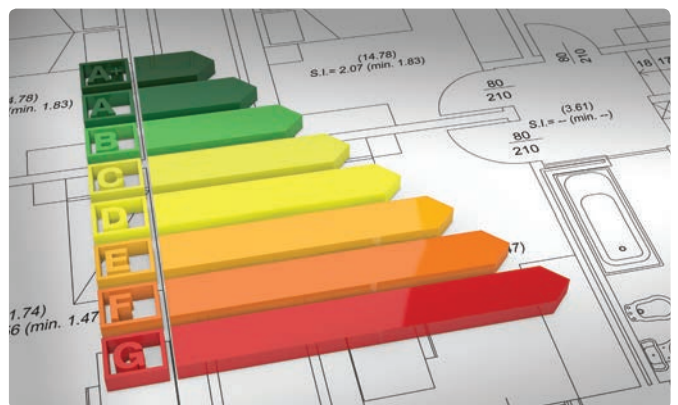


Services provided by the SIG360 Technical Centre include...

- Standard Assessment Procedure (SAP)
- Predicted Energy Assessment (PEA)
- Energy Performance Certificates (EPC's)
- Simplified Building Energy Model (SBEM)
- Air Permeability Testing
- U Value Calculations
- Condensation Risk Analysis
- **Thermal Modelling:** A desktop assessment of non repeating thermal bridging in a building and the impact on building to Approved Document Part L and Section 6 of the Building Regulations
- **Pre Completion Testing:** PCT where robust details have not been used
- **Noise Impact Assessment:** Analysis of the impact of noise pollution from outside a new building



elmhurst
energy





Working with colleagues from around SIG Plc, SIG360 is able to evaluate product performance linked to costs to ensure best value at all times. This includes managing the sometimes conflicting requirements of acoustic, fire and thermal performance.

SIG360 Technical Centre operates in a number of different markets providing product selection guidance specific to the following:

- **Residential:** Houses, Apartments and Mixed Use
- **Non Residential:** Education, Commercial, Health Care, MOD
- **Specialist Markets:** Timber Frame, Offsite Assembly, Park Homes

The SIG360 approach to providing expertise always starts with a fabric first approach where best value can be assured. When qualifying the product selection using the SAP process to confirm building regulation compliance the SIG360 Technical Centre will use actual product performance data rather than software defaults in SAP.

Construction Testing

Working in partnership with our ATMA and UKAS Accredited service providers, SIG360 Technical Centre provide specialist support in the determination of acoustic and air permeability building performance.

Simply call the SIG360 Technical Centre, details on the back page, and they will talk you through the options; whether it be a straight forward fee based consultancy or as part of a larger SIG360 value engineering process linked to material purchases.

SIG360 only use products that have gone through the rigorous product evaluation of SIG Assured.



For more information go to...

www.sigassured.com

SIG360 in BIM

SIG360 provide technical services, value engineering and specialist support for projects using the BIM process. Through use of a digital collaboration platform the specialist team can work with you in real-time from 3D models in most of the common formats including IFC.

The team is also conversant with all aspects of PAS1192 BIM process standards and can provide guidance of the level of detail and level of information requirements of product data.



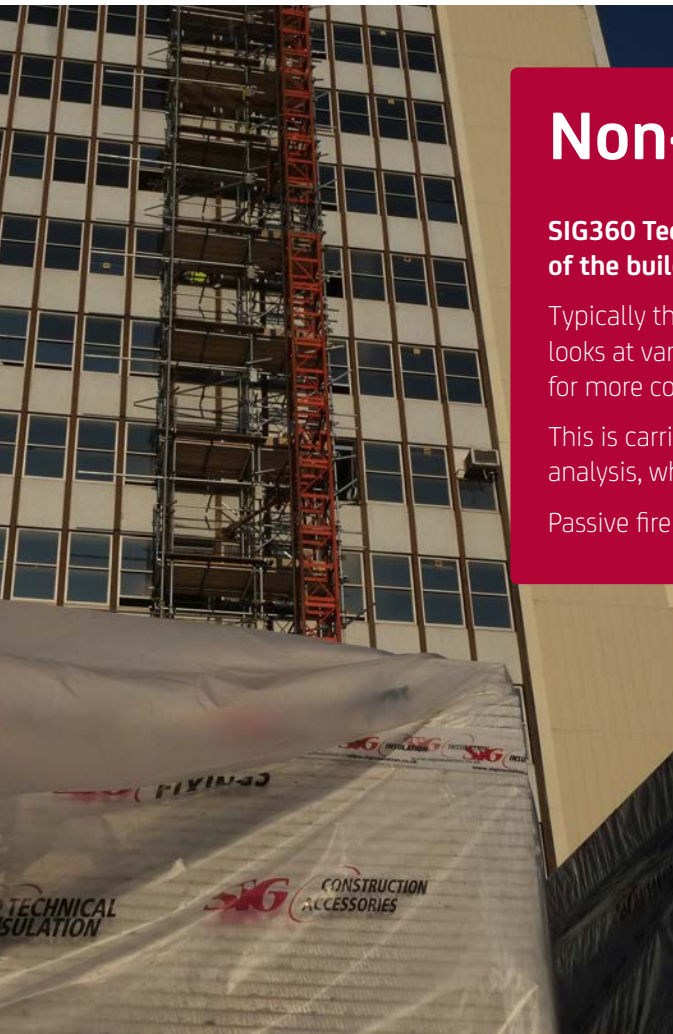
Residential Markets

SIG360 Technical Centre provide services relating to approved documents of the building regulations.

Focused on providing product solutions that best fit with the preferred method of build coupled with the full appreciation of the limitations on space brought about by planning restrictions, SIG360 Technical Centre provide solutions that work for you.

Working to Building Regulations Approved Documents

- Part L 1A and 1B England and Wales (Conservation of Fuel and Power), Section 6 for Scotland (Energy)
- Part E England and Wales (Resistance to the Passage of Sound), Section 5 for Scotland (Noise)
- Part B England and Wales, Section 2 for Scotland Fire Safety
- Specific requirements of local planning policies such as the Merton Rule



Non-Residential Markets

SIG360 Technical Centre provide services relating to approved documents of the building regulations and specific requirements of building types.

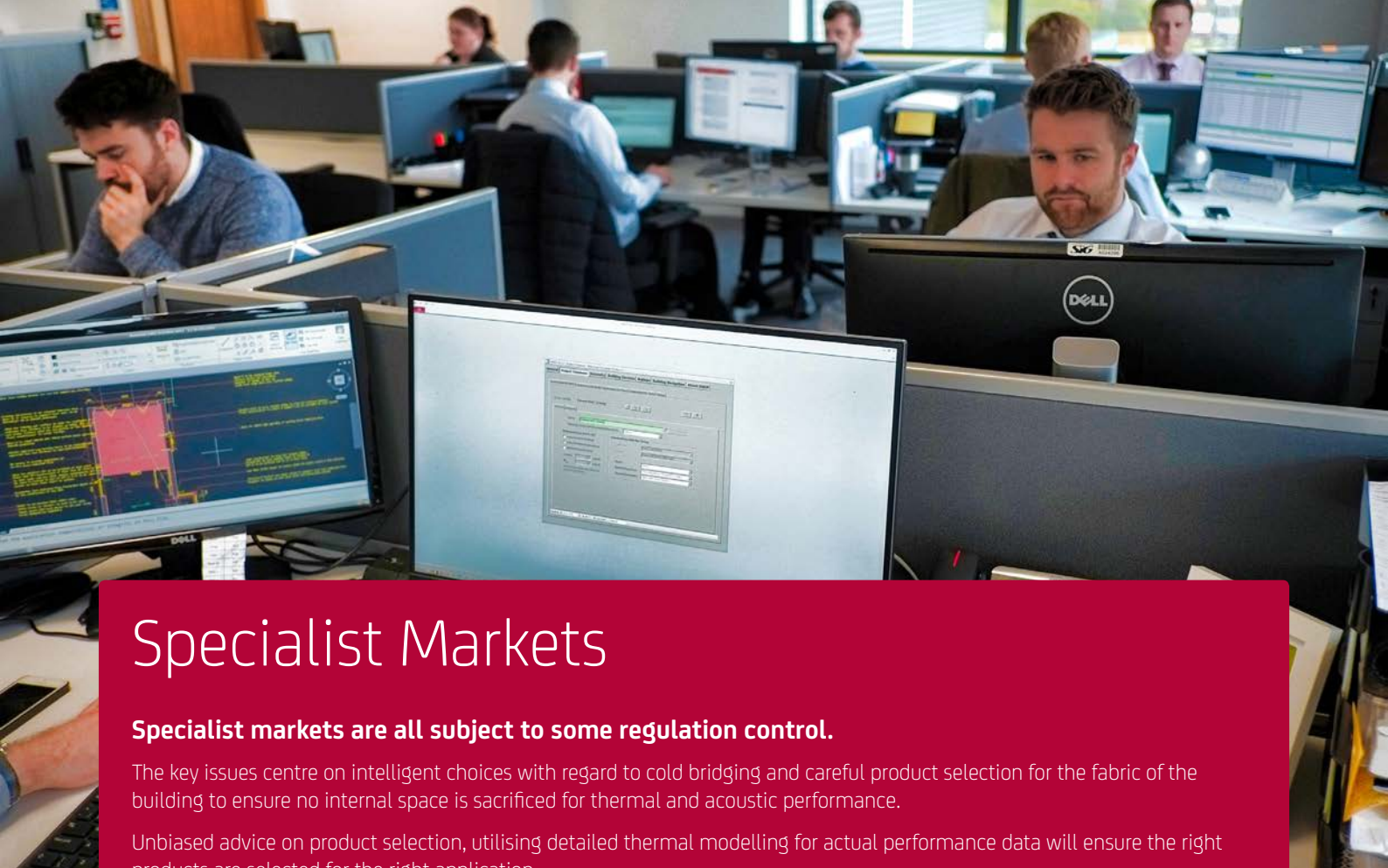
Typically the service provided by SIG360 Technical Centre in this market sector looks at various elements of a buildings energy loss, making recommendations for more cost effective solutions without any reduction in building performance.

This is carried out through the use of U Value calculations and condensation risk analysis, which is qualified through SBEM.

Passive fire protection is provided by a project review process.

Working to Building Regulations Approved Documents

- Part L 2A and 2B England and Wales (Conservation of Fuel and Power), Section 6 for Scotland (Energy)
- Part E England and Wales (Resistance to the Passage of Sound), Section 5 for Scotland (Noise)
- Part B England and Wales, Section 2 for Scotland Fire Safety
- Specific requirements for education sound transfer
- Specific requirements for tall buildings over 18m (BR135)
- Guidance on availability of digital data for the BIM process



Specialist Markets

Specialist markets are all subject to some regulation control.

The key issues centre on intelligent choices with regard to cold bridging and careful product selection for the fabric of the building to ensure no internal space is sacrificed for thermal and acoustic performance.

Unbiased advice on product selection, utilising detailed thermal modelling for actual performance data will ensure the right products are selected for the right application.



Not normally associated with factory production supply chains, the role of the specialist distributor can bring less obvious benefits:

- SIG360 provides impartial product advice to improve process efficiency in addition to building performance improvements
- Deliveries of material just in time from a local supply network can reduce stock holding, freeing up factory space for added value activities is one such example
- With knowledge of 'Design for Manufacture' SIG360 Technical Centre can bring a wealth of expertise to the assembly process and the integration of supply chain management



SIG also provides technical guidance and supply in the following product areas

SIG INTERIORS

- Suspended Ceilings
- Ocula Partitions
- Washrooms
- Speedline Drywall
- Dry Lining, Fire Protection and Insulation
- Eurodek Raised Access Flooring
- Contract Flooring and Wood & Laminate Flooring
- Temporary Site Protection
- Roller, Venetian or Vertical Blinds
- High Quality Lighting

SIG TECHNICAL INSULATION

- Process
- HVAC
- High Temperature
- Fire Protection

SIG CONSTRUCTION ACCESSORIES

- Site Set Up & Protection Materials
- Groundwork Engineering
- Grouts & Anchors
- Reinforcement & Formwork
- Waterproofing
- Masonry Support & Brickwork Accessories
- Insulation & Ventilation
- Concrete Repair & Protection
- Sealants, Joint Fillers & Construction Chemicals

SIG INSULATION

- Acoustic Insulation
- Ancillaries
- Dry Lining
- Fire Protection
- Floor Insulation
- Roof Insulation
- Timber Frame
- Wall Insulation

Talk to the SIG360 Technical Centre at the start of your project for a 360° view of cost-effective and energy efficient construction.



www.sig360.co.uk

Tel 0844 443 0059

Email 360enquiries@sigplc.co.uk



The SIG360 Technical Centre service is available through the SIG Insulation network

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