



Masonry Systems High-Rise Buildings



When your business needs a supplier for construction products who can offer you impartial advice and support, you need a distributor who you can trust. At SIG we are dedicated to supporting you on your projects.

As one of the UK's market-leading specialist suppliers to the construction industry, we take the time to understand the demands of our customer's project. We work with our customers throughout their project, from early design stage through to completion enabling us to provide on hand support, offering the right solution backed by our technical expertise.

You can trust the extensive product range, and excellent service of SIG to deliver what you need when you need it.

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How SIG can support you

- ✓ We can offer you an **extensive product range** from leading manufacturers in Construction Accessories, Insulation, Fire Protection, Dry Lining, Interiors, Ceilings, Fixings & First Fix M&E and Roofing
- ✓ We provide **technical support** when you need it, including estimating and technical calculations
- ✓ With a **diverse fleet**, we have the right vehicle to deliver the product to you on site
- ✓ Our **nationwide** branch network means we're never far away
- ✓ Our **dedicated** Construction Accessories sales team are always on hand to support you



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SIG Construction Accessories, are a specialist distributor of products for Masonry, Groundworks, Geotechnical, Waterproofing, Concrete Repair and Technical fixings. Our team is made up of skilled professionals who are passionate about what they do and are dedicated to delivering the best possible solutions for our customers. We pride ourselves on our ability to tailor our services and the products available to meet the unique needs of each, and every project we work on.

With years of experience, we have developed a deep understanding of our industry, and we are always striving to stay ahead of the curve when it comes to new developments and innovations. We work with Architects and design teams in the early stages of projects, to provide value engineered solutions which consider application, sustainability and commercial viability. Once the project is on site we are on the ground supporting our customers for the duration.

When you need a supplier who has the products you need, when you need them through a national branch network, then trust SIG Construction Accessories to deliver.

Our Range of Products



1 Concrete Repair & Protection

Available products:

- ✓ Grouts & Anchors
- ✓ Primer
- ✓ Cementitious Repair Mortars
- ✓ Resin Repair Mortars
- ✓ Levelling Compounds
- ✓ Protective Coatings
- ✓ Specialist Sealants



2 Waterproofing

Available products:

- ✓ Membranes (Pre & Post-Applied)
- ✓ Bentonite
- ✓ Cavity Systems
- ✓ Liquid Applied
- ✓ Cementitious
- ✓ Waterstops
- ✓ Waterproofing Accessories



3 Masonry

Available products:

- ✓ Masonry Support Systems
- ✓ Windposts & Parapet Posts
- ✓ Lintels
- ✓ Surface Fixed Wall Channel
- ✓ Brick Reinforcement
- ✓ Wall Ties & Restraint Fixings
- ✓ Head Restraints
- ✓ Wall Starter Systems
- ✓ Damp Proof Course Systems & Accessories (DPC)
- ✓ Insulation
- ✓ Fire Protection
- ✓ Non Combustible Cavity Trays



4 Groundwork Engineering

Available products:

- ✓ Geotextiles
- ✓ Geogrids
- ✓ Walls/Gabion Baskets
- ✓ Erosion Control & Matting
- ✓ Cellular Confinement System
- ✓ Root & Weed Barriers
- ✓ Grass Protection Mesh
- ✓ Geocomposite Drainage
- ✓ Clay Liners & Plastic Membranes
- ✓ Gas/Hydrocarbon Barriers
- ✓ Clayheave/Void Former Insulation
- ✓ Permeable Paving
- ✓ Slope Stability



5 Reinforcement & Formwork

Available products:

- ✓ Reinforcement Mesh
- ✓ Reinforcing Bars
- ✓ Cut & Bent
- ✓ Reinforcement Spacers
- ✓ Dowel Bars & Accessories
- ✓ Tying Wire
- ✓ Concrete Slab Accessories
- ✓ Beamform/Ground Prop
- ✓ Tie Bar Systems
- ✓ Column Formers
- ✓ Expanded Metal Formwork
- ✓ Screed Rails & Accessories
- ✓ Crack Inducers & Void Formers
- ✓ Structural Concrete Reinforcement
- ✓ Cast-in Channels
- ✓ Floor Decking
- ✓ Brick & Concrete Cleaning Materials
- ✓ Continuity Systems
- ✓ Formwork Chemicals

Masonry Specification Support

Our specialist SIG Construction Accessories Masonry team provide early design input, specification advice and technical support for all products associated within a masonry wall.

By engaging at the early design stages, we're able to provide cost-effective, compliant, and technical solutions, that can be delivered on time, reduce risk, and drive a reduction towards zero defects.

We Understand

Regulatory requirements, SIG Construction Accessories are an approved CCPI Distributor (Code for Construction Products Information) and support its core principles, understanding we have an obligation to ensure that the product information we receive from our suppliers meets the stringent requirements of the Code before being released. With an everchanging landscape on legislation our specialists are competent and have knowledge on:

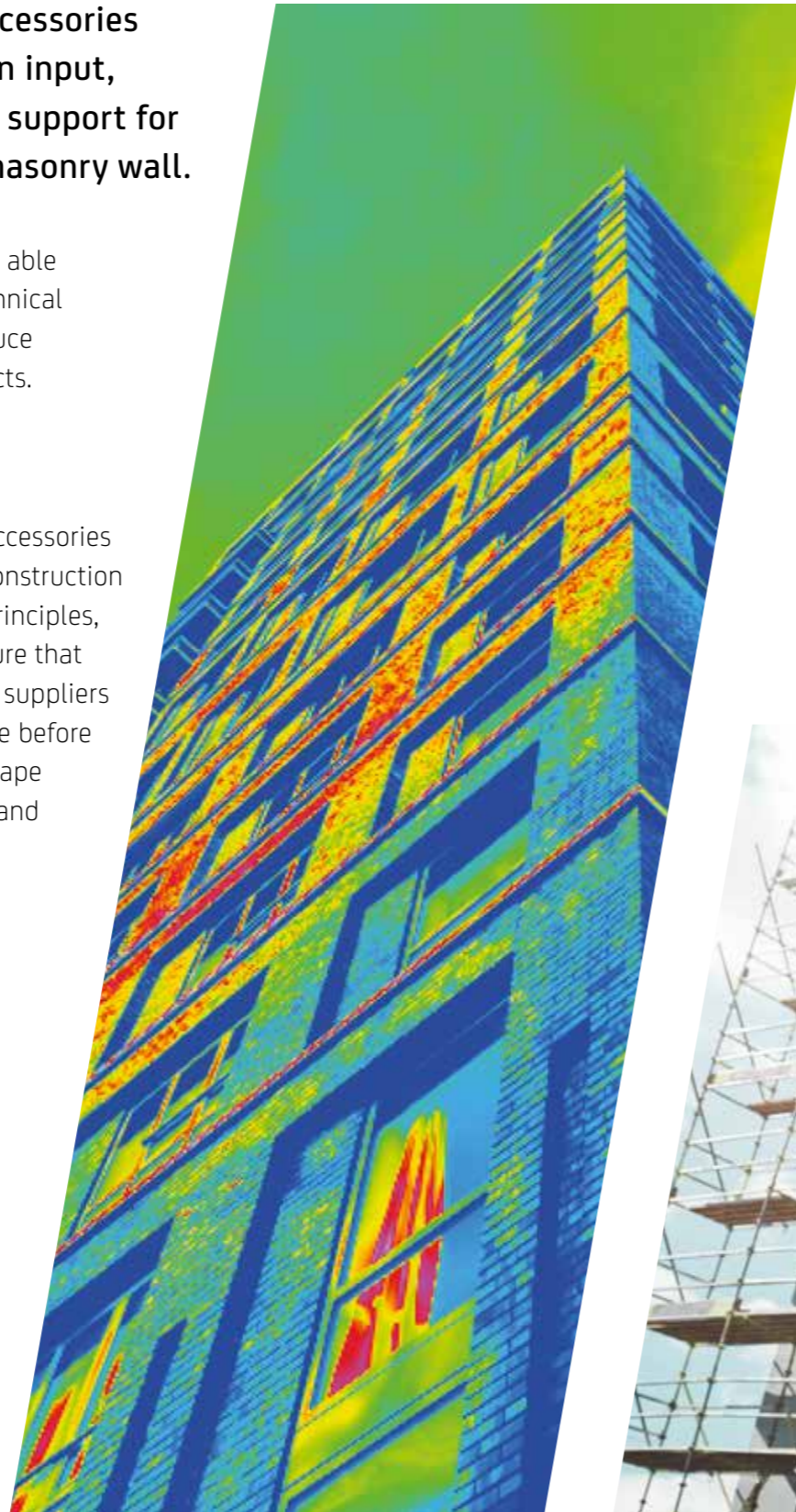
BS EN 1996 Eurocode 6 – Design of Masonry Structures

PD 6697:2019 – Recommendations for the design of masonry structures to BS EN 1996

BS EN 845-1 – Specification for Ancillary Components for masonry

Building Regulations Part L

NHBC Standards 2024 – incorporating revisions to Chapter 6.1 including provision of cavity trays to complicated junctions and additional insight on the design and specification of windposts.



We Provide

A full project approach from Design through to On-site support. With our technical expertise, our Masonry team are able to support on the design of the masonry wall, offering impartial product choice to meet the project needs and regulatory requirements, all design work is backed by our professional indemnity insurance. We are also able to offer a range of product and technical presentations.

We Partner

With leading manufacturers, to ensure we have a choice of products suitable for your project. To offer further support we work with our in-house specialist teams, including energy assessors to offer a complete integrated service, starting with a fabric first approach, where best value can be assured.

We Offer

A full range of products for the masonry system including:

- Masonry support systems
- Windposts
- Fire barriers
- Insulation
- Cavity Trays
- Brick Slip soffits and lintels
- Wall ties and Restraints
- Brickwork Sundries

To speak to our specialist team contact masonry@sigplc.com



Product Selection

Masonry Solutions You Can Trust

We know that masonry is more than a building material - it's the foundation of timeless design and enduring performance.

Masonry offers:

- Fire Resistance
- Durability and longevity (with proper maintenance)
- Structural stability
- Noise reduction

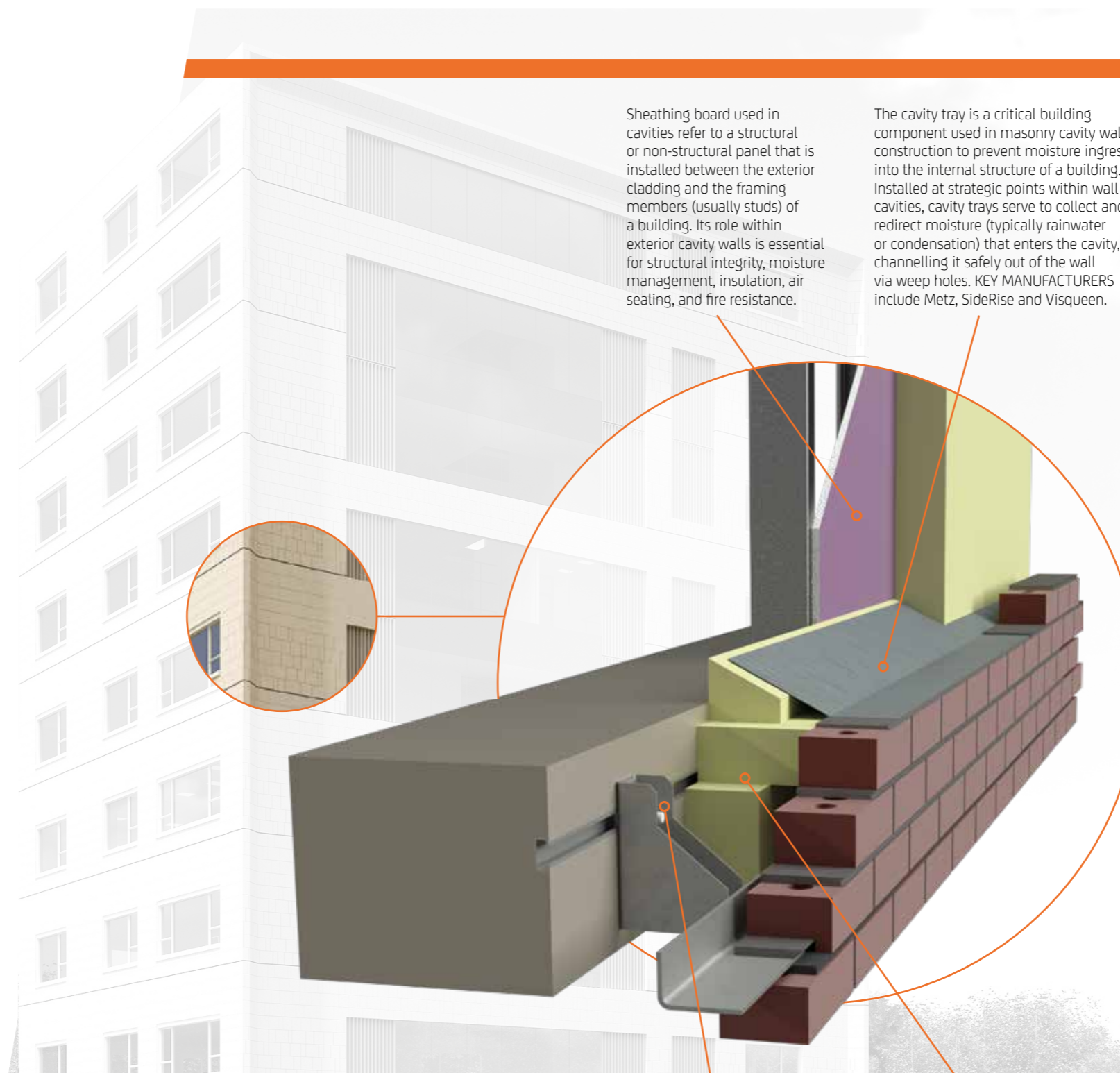
With so many masonry products on the market, it can be difficult to know which options will deliver the best results as part of a complete system.

As a specialist, our dedicated Masonry team ensure you make the right choices for your projects by providing:

- Expert product guidance
- Compliance assurance with Building Performance standards
- Reliable supply from trusted manufacturers

When you partner with us, you're not just choosing products - you're choosing peace of mind. Our role is to give you the information, assurance, and technical support needed to build with confidence.

To speak to our specialist team contact masonry@sigplc.com



Sheathing board used in cavities refer to a structural or non-structural panel that is installed between the exterior cladding and the framing members (usually studs) of a building. Its role within exterior cavity walls is essential for structural integrity, moisture management, insulation, air sealing, and fire resistance.

The cavity tray is a critical building component used in masonry cavity wall construction to prevent moisture ingress into the internal structure of a building. Installed at strategic points within wall cavities, cavity trays serve to collect and redirect moisture (typically rainwater or condensation) that enters the cavity, channelling it safely out of the wall via weep holes. KEY MANUFACTURERS include Metz, SideRise and Visqueen.

Key supply partners including

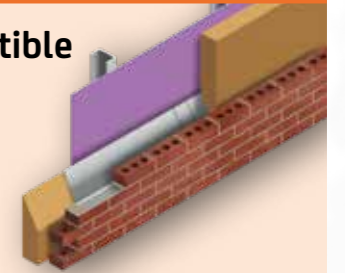


A masonry support system is a structural component and is designed to carry and support the weight of masonry elements, such as brickwork or stone. Typically, the outer leaf of a cavity wall. These systems ensure that the masonry is safely and effectively supported within or over cavities without transferring excessive load onto internal structural elements, while maintaining the integrity of the cavity and building envelope. KEY MANUFACTURER includes Leviat (Ancon).

A fire barrier in cavities (also known as cavity barriers) is a vital component in construction used to prevent the spread of fire and smoke through concealed spaces within the structure - especially cavity walls, roof voids, and suspended floors. Cavity barriers are a key part of passive fire protection systems. They don't extinguish fires but limit their spread, protect structural elements, and help maintain compartmentation, giving occupants more time to evacuate and reducing property damage. KEY MANUFACTURERS include AIM, Arc, Rockwool and SideRise.

PRODUCT FOCUS

Non-Combustible Cavity Tray



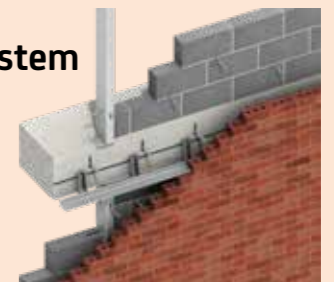
The Metz EaZi-Fit Non-Combustible Cavity Tray System is a unique roll formed system made from a patented soft zinc alloy. It is the only A1 Classified "Malleable" Cavity Tray System available on the market, and is site adaptable, adjustable and suitable for all buildings. Preformed 2 metre lengths are pre-scored ready for installation.

Wall Cavity Barrier



AIM Wall Cavity Barrier is made from foil faced high density, compressible, Rockwool stone wool and is suitable for use in masonry cavity walls. The barrier prevents the passage of heat, flame and smoke within the cavity it fills for 30, 60 or 120 minutes. It is typically used vertically and horizontally to provide a fully closed cavity fire barrier along compartmentation lines in the outer leaf of the building.

Masonry Support System



Manufactured by Leviat, Ancon MDC Masonry Support Systems are tailored to suit each project, and are designed to suit frame type, differential movement, type of cladding, masonry load and cavity width. Leviat will design the most economical configuration of channel, bracket and angle.

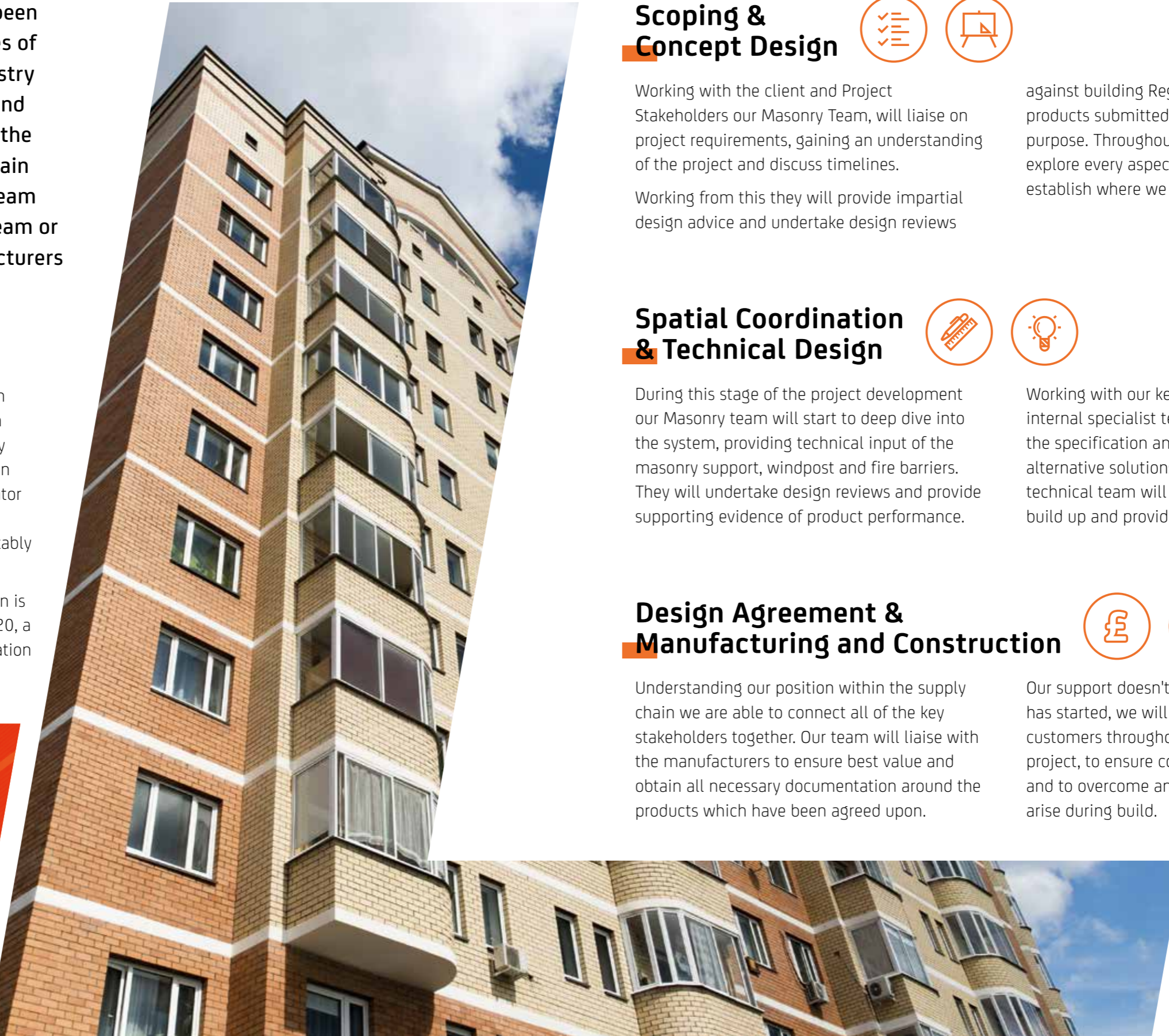
There are several variations of the standard MDC System that allows the support angle to be positioned anywhere from the top of the bracket to a position below the bottom of the bracket.

Taking a Design-led Approach

The Building Safety Act has been one of the most radical pieces of legislation to affect our industry in decades, with a focus around competency. We understand the part we play in the supply chain and our specialist Masonry team will work with your Design Team or Architect, calling on manufacturers where required.

Under the Building Safety Act engagement at Scoping and Design is of critical importance as once a design has received Gateway 2 approval from the Building Safety Regulator, then any subsequent change to the specification may also need approval by the Regulator before work can proceed on site, so involving us at design stage can inevitably save any costly delays to your project.

Our Masonry teams approach to design is based upon the RIBA Plan of Work 2020, a framework for guidance in the preparation of detailed professional services.



Scoping & Concept Design



Working with the client and Project Stakeholders our Masonry Team, will liaise on project requirements, gaining an understanding of the project and discuss timelines.

Working from this they will provide impartial design advice and undertake design reviews

against building Regulations, ensuring the products submitted for review are fit for purpose. Throughout the design stage they will explore every aspect of the masonry facade to establish where we can add value.

Spatial Coordination & Technical Design



During this stage of the project development our Masonry team will start to deep dive into the system, providing technical input of the masonry support, windpost and fire barriers. They will undertake design reviews and provide supporting evidence of product performance.

Working with our key supplier partners and also internal specialist teams, they will challenge the specification and where appropriate offer alternative solutions. Our specialist 360 technical team will also provide through wall build up and provide U Value calculations.

Design Agreement & Manufacturing and Construction



Understanding our position within the supply chain we are able to connect all of the key stakeholders together. Our team will liaise with the manufacturers to ensure best value and obtain all necessary documentation around the products which have been agreed upon.

Our support doesn't cease once the project has started, we will continue to work with our customers throughout the build stage of the project, to ensure compliance is maintained, and to overcome any problems which may arise during build.

SIG360 Technical Solutions Service Guide

SIG360 Technical Solutions provide guidance and compliance solutions to support residential developers, through our wide range of services, relating to Building Regulations Approved Documents.

- Part L 1A new dwellings and 1B existing dwellings (Conservation of Fuel and Power) for England & Wales, Section 6 (Energy) for Scotland
- Part E (Resistance to the Passage of Sound) for England and Wales. Section 5 (Noise) for Scotland
- Part B (Fire Safety) for England and Wales, Section 2 (Fire) for Scotland
- Specific requirements of local planning policies, such as the London Plan
- Dedicated specialist team:- 60 years experience specialising in thermal, acoustic and fire within various applications.
- Selection of energy saving insulation products and guidance on building regulation compliance.
- Unbiased access to thousands of market leading insulation products and solutions.
- Not aligned to any specific manufacturer/ product type
- Typical Applications:- Façade, Brickwork, Roof, Floors, soffits



Residential

- ✓ Houses
- ✓ Apartments
- ✓ Mixed Use



Non Residential

- ✓ Education
- ✓ Commercial
- ✓ Health Care
- ✓ MOD



Specialist Markets

- ✓ Timber Frame
- ✓ Offsite Assembly
- ✓ Park Homes



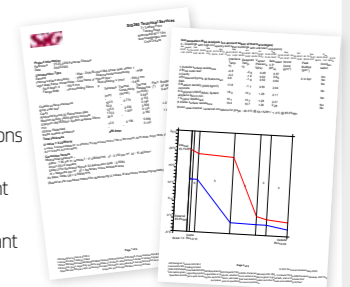
Building Regulations Guidance

Provide guidance and advice on building regulations. This includes managing the sometimes conflicting requirements of; acoustic, fire & thermal performance.



U-Value Calculations Including Condensation Risk Analysis

Provide calculation solutions to demonstrate thermal performance with efficient turnaround proposing costeffective and compliant product solutions.



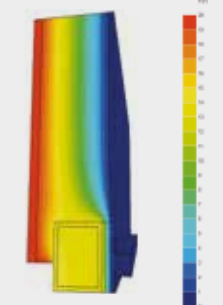
Standard Assessment Procedure (Sap) & Energy Performance Certificate (Epc)

Complete SAP & EPC package, using a 'fabric first' approach, to support customers demonstrate Part L1A (Section 6 Scotland) compliance & build energyefficient homes.



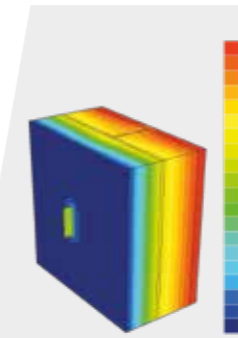
Thermal Modelling/ Psi-Value (Ψ)

Both 2D & 3D bespoke thermal models to calculate the Psi-Value (Ψ) & temperature factor at the junction. The resulting Psi-Value can be used within SAP & SBEM assessments to help achieve Part L (Section 5 Scotland) compliance.



3D Thermal Analysis & Chi Value (χ)

Thermal model to calculate Chi Value (χ) to determine heat flow through Rainscreen braketery and the resulting value will be used in a U-Value calculation to help achieve Part L (Section 5 Scotland) compliance.



Contact the Team on...

T: 0330 123 1775
E: technical@sigplc.com

Sustainability

We're committed to building modern, sustainable, and safe living and working environments in the communities in which we operate, while also doing what we can to influence the industry to take meaningful environmental action.

As we respond to climate change and rising energy costs, addressing our own carbon footprint is crucial. We also want to play an influential leadership role in the transition to sustainable construction through our central position in the building materials supply chain.

Since we were founded, we have supported the drive for better energy efficiency standards and greater protection for the environment. Our five group-wide sustainability commitments, launched in 2022, support our renewed focus.



Net Zero Carbon by 2035

We have committed to net zero carbon in SIG's operations by 2035 at the latest and as stated in 2021, we aim to achieve this target by meeting the following secondary goals:

- ✓ 80% reduction against total Scope 1, 2 and business travel emissions by 2035 (using 2021 emissions as a base year) and offsetting any residual emissions;
- ✓ Cars and forklifts ("FLT's") to be 100% electric by 2030; and
- ✓ Commercial vehicles to be 100% electric, hydrogen, or lower-carbon alternative by 2035 (although this continues to be dependent on the pace of progress in the development of external technology, especially for HGVs).



Zero SIG Waste to Landfill by 2025

Our commitment is for zero SIG waste to landfill by 2025. Our primary responsibility is the SIG waste that we directly control, including monitoring and validating third-party waste contracts for our sites. This will be achieved by waste segregation, reuse of packaging and paperless processes.

However, the nature of our role as a distributor in the middle of the supply chain, handling logistics between customers and suppliers, means we are already coordinating complex logistics and breaking bulk, which helps reduce on-site waste (both materials and labour) in construction. We are also well placed to support a circular economy by recycling and repurposing materials to reduce waste and raw materials extraction

Read more at www.sigplc.com/sustainability



Partner with Manufacturers and Customers to Reduce Carbon and Waste Across the Supply Chain

Our commitment is to partner with manufacturers and customers to reduce carbon and waste across the supply chain.

As a specialist distributor of products central to building energy efficiency, SIG is at the heart of the supply chain, uniquely placed to help suppliers and customers meet their own sustainable construction ambitions.

SIG's role is to provide choice, data transparency and expertise on regulatory compliance. We are working to identify and promote more sustainable products from new and existing suppliers.



Health and Safety

We are committed to being a health and safety leader in building materials distribution and to providing workplaces that assure the safety, health and wellbeing of our employees, contractors, and stakeholders.



Our People

Our commitment to our people is to make sure they feel safe, proud, and valued. Their health and wellbeing are integral to this. Now more than ever, we will do what we can to support, educate and provide opportunities for our people to stay happy and healthy at work.

Contact SIG Construction Accessories today for...

- Structural Waterproofing
- Groundwork Engineering
- Geotechnical
- Concrete Repair & Protection
- Masonry
- Reinforcement & Formwork

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Speak to your local SIG
Construction Accessories Branch



For specialist Masonry support, contact
our Masonry team at masonry@sigplc.com



www.sigca.co.uk



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