



# UK GYPSUM

Build smart build strong

UK-G BLOCK

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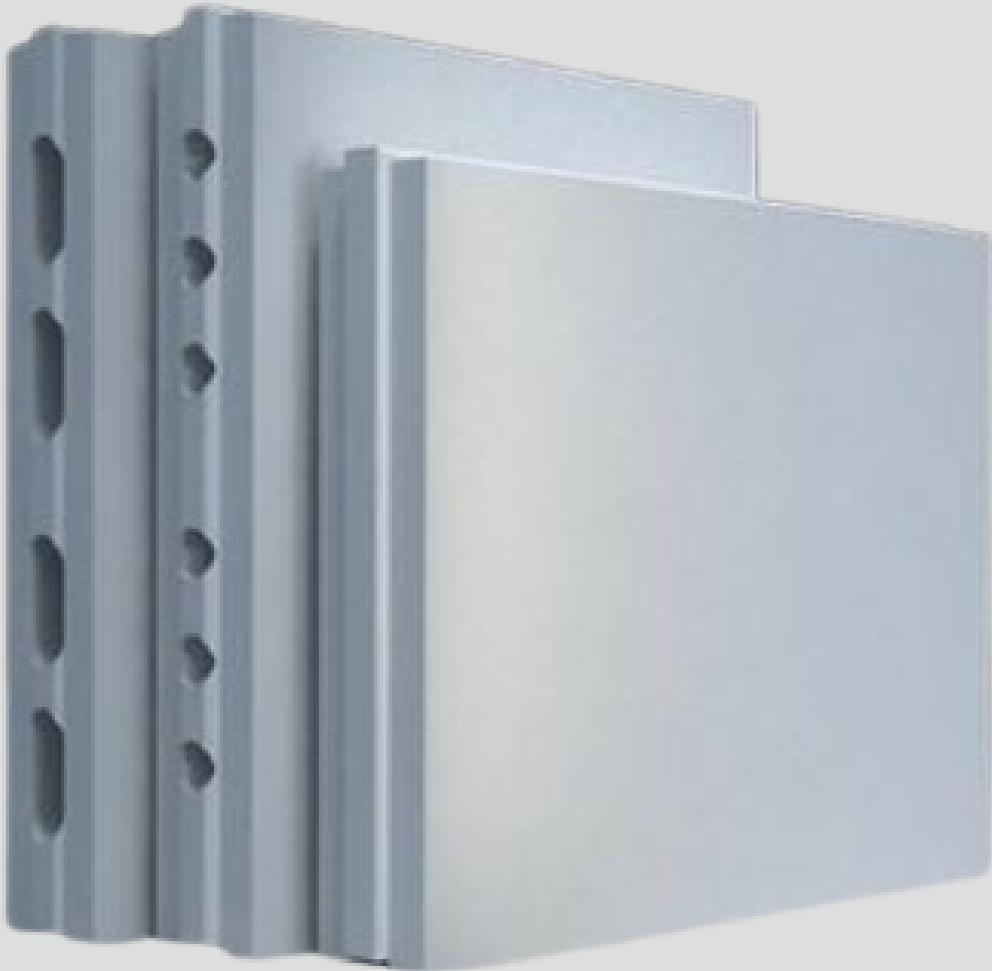
- Lightweight
- Sustainable
- High Fire Rating
- High density
- Energy Efficient
- High Acoustic
- Thermal insulation
- Fast Installation
- Less Manpower need
- water resistance
- Tough and durable
- environmentally friendly
- Bacteria-free
- Humidity regulator
- Easy to assemble
- Hassle-free joint



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# Introduction

UK-G Block Lightweight Blocks set a new standard in building materials, merging advanced UK technology with rigorous production practices. Each block is precisely crafted from Alpha-grade gypsum and reinforced with alkaline-resistant glass fibers, providing superior water resistance and durability. Manufactured through a meticulously controlled injection molding process, every UK-G block guarantees exceptional quality and consistency.

Designed with a unique tongue-and-groove system, UK-G blocks connect seamlessly, making assembly light, fast, and efficient. With smooth surfaces that eliminate the need for additional sand plastering, these blocks save time while providing a top-quality finish. Tested to British Standards, UK-G blocks ensure dependable performance across a range of applications.

Versatile, fire-resistant, and non-corrosive, UK-G Blocks meet the unique demands of the UK's environment, providing designers and engineers with a durable, locally manufactured solution. Internationally certified and climate-adapted, these blocks are built to excel in both local and regional construction needs.

# Mission and Vision

## → Mission

We are committed to delivering innovative, state-of-the-art gypsum block materials that meet the specific needs of the UK environment, construction landscape, and client preferences. We strive for the highest standards of professionalism to ensure lasting client loyalty.

## → Vision

Our vision for gypsum block procurement is to be unparalleled in excellence. We aim to become the leading partner in supplying top-quality gypsum products for projects, catering to both public and private sector clients.



# Our Values

Our values form the cornerstone of our identity and our projects. Each member of the UK Gypsum family embraces these principles, dedicating themselves to delivering exceptional quality and commitment in every task they undertake.

## QUALITY

We deliver quality that surpasses internationally recognized standards. This commitment is a testament to our dedication to excellence and our relentless pursuit of superior craftsmanship in every gypsum block product we provide.

## ETHICS

We uphold the highest standards of professionalism, integrity, and honesty in all our dealings. Our unwavering commitment to ethical practices defines who we are and guides every aspect of our operations.

## EXCELLENCE

Isn't just about quality; it's woven into every aspect of what we do—from our office operations to our construction methods on-site. We embrace the challenge of consistently achieving excellence in everything we deliver.

## SAFETY

We are dedicated to creating a zero-accident work environment and stand firmly behind this commitment to safety

## SUSTAINABILITY

Sustainability is at the heart of everything we do. We are committed to reducing environmental impact through mindful practices and innovative solutions. Our dedication reflects our vision for a greener, more sustainable future in the UK construction industry.

# Why Gypsum Blocks ?

## Cost-Effective :

- Gypsum blocks offer economical construction with significantly faster installation times.

## Space-Saving Design

- Slimmer partition walls maximize usable area, adding valuable square footage to interiors.

## Flexible Space Division

- Late-stage determination of room divisions is possible, allowing flexibility in building design when end-users are undecided.

## Ready-Finished Interior Walls

- Smooth, plaster-free surfaces reduce construction time and costs, providing walls that are ready for immediate use.

## High-Quality Finish

- Exceptional surface smoothness and dimensional precision ensure a premium look and feel.

## Easy Adaptability

- Walls can be easily dismantled or modified without damaging the existing building structure, enabling changes in space usage.



# KEY FEATURES

LICENSED

- UK-G BLOCK is designed to meet both international and UK-specific standards for gypsum blocks, ensuring high quality and compliance for diverse construction needs.

NATURE-FRIENDLY

- UK-G BLOCK is made from 100% natural gypsum, offering significant environmental benefits. Additionally, for clients seeking enhanced sustainability, our UK-G BLOCK option can be produced using recycled materials.

BACTERIA-RESISTANT

- The composition of UK-G BLOCK prevents bacteria from adhering to its surface and forming colonies. This makes UK-G BLOCK an ideal choice for environments where sterility is essential, such as clinics, hospitals, nurseries, schools, and more.

FIREPROOF

- UK-G BLOCK provides outstanding fire resistance, exceeding European flame-retardation standards. Ideal for safety-critical applications, it already meets the new stringent fire safety regulations in the UK and Europe.

THERMAL INSULATOR

- The thickness of UK-G BLOCK, combined with gypsum's natural porosity that traps air, makes it an efficient insulator, helping to reduce air conditioning and heating costs for end-users.

SOUND INSULATION

- The thickness and density of UK-G BLOCK make it an excellent acoustic insulator. blocks can be further thickened to enhance sound absorption based on client requirements.

# KEY FEATURES

STRONG  
AND  
STURDY

- UK-G BLOCK is highly robust and resistant to impact forces. Its natural strength allows for the installation of nails, screws, and other fixtures at nearly any point on the block.

PRACTICAL

- Designed with the construction process in mind, UK-G BLOCK can be installed in challenging environments, even where space is limited.

SIMPLE  
ASSEMBLY

- All UK-G BLOCK accessories are designed for quick and hassle-free installation. Wall mounting is efficient and clean, ensuring your project is completed in a timely manner.

SEAMLESS  
JOINTS

- Easily remove excess adhesive from the joints without the need for additional tools, leaving them ready for immediate use.

VERSATILE  
DESIGN

- The blocks can be used in a variety of applications, from residential to commercial, making them a flexible choice for different projects.

LIGHTWEIGHT  
DESIGN

- UK-G BLOCK is lightweight, making handling and installation easier while reducing overall structural load.

# PARTITIONS WALLS



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The UK-G BLOCK gypsum block system is meticulously designed to meet both international and UK-specific standards, ensuring quality and compliance for a wide range of construction needs. This versatility in partition systems reflects our in-depth understanding of regional requirements and the unique demands of the UK climate. Constructed from high-quality components, UK-G BLOCK partitions offer reliable performance and ease of installation. Our systems are thoroughly tested and warrantied, providing peace of mind for specifiers and builders alike. From concept to site support, UK-G BLOCK delivers a solution you can trust to meet rigorous performance standards.

# FEATURES OF THE BLOCK



- 70% lighter than ordinary cement blocks, making them easier to handle and reducing structural load.



- UK-G BLOCK enhances comfort by effectively blocking ambient sounds and noise pollution, forming a vital part of a comprehensive soundproofing system.



- Made from Class A non-combustible material, Domo Block-G serves as an effective fire safety measure



- Designed for optimal thermal conductivity, the microporous structure reduces costs associated with thermal insulation and A/C power consumption.



- The blocks require no costly substructure and are bonded with a gypsum-based adhesive, simplifying construction



- Effectively manages indoor climate, helping to reduce dryness in living spaces.



- The tongue-and-groove profile ensures strong and stable partition walls.

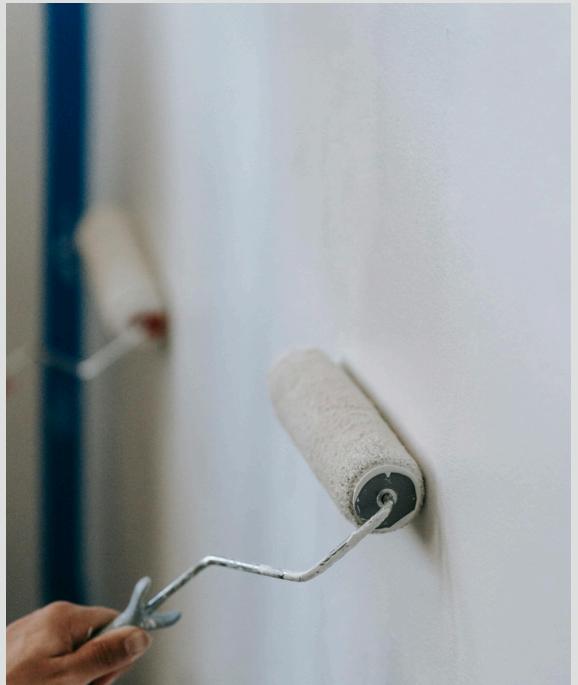
# Finishing Guidelines

## → Surface and Wall Finish

Our gypsum blocks are designed with a tongue-and-groove system, ensuring precise alignment and a smooth, flawless finish when walls are erected.

### Key Features:

- The blocks fit together seamlessly, eliminating the need for plaster.
- Only areas with high optical demands require additional filling or smoothing.
- Once the walls are fully dry, they are ready for immediate use.



## → Finishing with Paint or Wallpaper

Before painting or wallpapering, walls must be primed to ensure uniform absorbency.

- You can use various types of paint, including dispersion latex, oil-based, and enamel options.
- Once properly primed, the surface is ready for wallpaper application as well.



# Finishing Guidelines

## → Surface Covering with Tiles

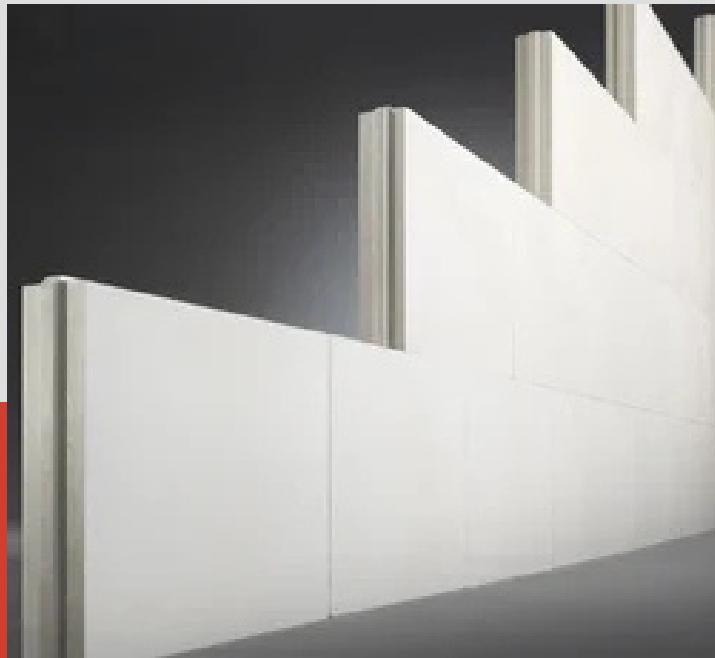
When covering walls with tiles or natural stone, there is no need to fill or smooth the surface, including the joints. Simply ensure the tile adhesive is applied cleanly and evenly for a high-quality finish.



## → Door openings

Reinforcement is required for door openings, depending on their size and placement. For openings wider than 1 meter, use a pre-galvanized steel lintel with a material thickness of 2mm. The lintel should be securely embedded into the wall, extending up to 50cm on each side of the opening.





# Specifications

Dimensions mm (LxWxH)	666 x 500 x 100
Colour	Natural White
Density Kg / m3	900
Grammage Kg/m2	70
Blocks per square meter	3
Minimum Value for breaking load KN	≥1.7
Surface hardness shore C unit	≥ 85
Surface flatness deviation mm	≤1
Acoustic insulation dB	37
Thermal conductivity W/MK	0.30
React to fire	180 min

# Fire-Resistant Properties



Gypsum is a mineral and a non-combustible building material, classified as Building Material Class A1 according to TS EN 13501-2:2016. With its unique crystal structure, gypsum effectively reduces thermal load within a building and prevents fire spread, making it a reliable material for fire protection.

Key fire-resistant properties of gypsum include:

It can withstand fire exposure for over 2 hours.

It forms a protective vapor barrier, causing only a minimal temperature increase on the side away from the fire.

The fire protection performance is enhanced with thicker layers of gypsum.

**Partition Walls with Fire Protection Requirements:** For interior partition walls, fire protection standards may be specified in local building ordinances, particularly when adjacent to corridors or stairwells. Gypsum block partition walls meet the fire resistance classifications outlined in TS EN 13501-2:2016 without the need for additional plaster layers. Electrical installations, such as switches and sockets, can be integrated without affecting fire protection, provided they are not directly opposite each other on either side of the wall.

# Method of installation



## PREPARATION OF ADHESIVE COMPOUND:

- Add the adhesive compound to 3–4 liters of water.
- Mix thoroughly until a homogeneous mixture forms.
- Use the prepared mixture within 60 minutes.



## SINGLE LEAF WALL INSTALLATION:

- Begin by chipping the adjacent column to create a strong connection between the gypsum wall and the column.



## APPLYING ADHESIVE COMPOUND:

- Apply a bed of adhesive compound to the face of the gypsum block.
- Position the block and press firmly to ensure a secure, face-to-face fit.



## BLOCK PLACEMENT AND ALIGNMENT

- Place the block with the tongue up for added strength.
- Complete the first row similarly.
- Use a rubber hammer to adjust and level the blocks.



## SECOND ROW INSTALLATION:

- Start the second row with 30 cm pieces to ensure the joints align.
- For hollow blocks, this provides easy access for piping and wiring through the cavities.



## LAST ROW INSTALLATION AND SEALING:

- Place the last row of gypsum blocks 1–2 cm (or as per project requirements) below the ceiling.
- Fill any gaps with fire sealant, then cover with adhesive compound for optimal insulation.

# Our service



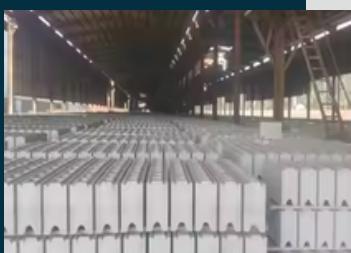
## QUALITY

Quality is a core value that we proudly uphold in all aspects of our work, including our UK-G Block boards. Certified with ISO standards, our management system ensures the highest level of quality, giving you peace of mind knowing that our blocks meet and exceed the most stringent standards.



## PERFORMANCE

UK-G Block meets your needs, regardless of project size. With excellent fire resistance, acoustic and thermal insulation properties, and the ability to regulate environmental humidity through its microporosity, UK-G Block offers superior performance and durability. It seamlessly integrates into existing structures and can even be installed in occupied rooms, combining performance with convenience.



## TIME

Recognizing that time is money, we have designed UK-G Block with efficiency in mind. Accessories are quick to prepare and install, and the blocks can be easily cut to the desired size using a utility knife. We also offer customized sizes and specifications directly from our factory, saving valuable time on-site and streamlining your project.



## SUSTAINABILITY

UK-G Block is designed with sustainability in mind, using eco-friendly materials and processes. Its ability to regulate humidity reduces energy consumption, while its durability ensures long-lasting performance, minimizing waste and the need for replacements.

# Contact US



**Let's Work  
Together**

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