



Gryphonn Concrete Products was established in 1972 and is now a major supplier of precast concrete building products in South Wales. We have developed a comprehensive range of building blocks which are suitable for most applications in the construction and civil engineering industry for loadbearing and non-loadbearing situations. Production is achieved with modern highly automated systems that embrace modern techniques and technology thus enabling us to provide excellent quality at competitive prices.

Gryphonn Concrete Products manufacture its entire product range under a quality assurance scheme complying with BS EN ISO : 9001 : 2000. All block products comply with the provisions of BS EN 771 - 3 : 2003.

This brochure illustrates the range of blocks available:

SOLID BLOCKS. These are voidless blocks, as the name suggests and contains no formed holes or cavities.

HOLLOW BLOCKS. These blocks have cavities which penetrate the block from the top (all the way through to the bottom face).

The range comprises of three basic categories:

DENSE AGGREGATE STANDARD QUALITY BLOCKS

MEDIUM DENSITY STANDARD QUALITY BLOCKS

LIGHTWEIGHT STANDARD QUALITY BLOCKS

* IN ADDITION THE ABOVE CATEGORIES ARE ALSO PRODUCED IN PAINTGRADE QUALITY

Tables 1 to 3 overleaf illustrate the basic types of blocks and give appropriate dimensions and properties.



Construction & Workmanship Considerations

HANDLING & STORAGE

All blocks are unloaded by mechanical off loading lorries. Care must be exercised to minimise soiling, chipping and breakage at all times and products should be stocked on suitably prepared level and clean hard standing surfaces.

Protect all unused blocks from frost, rain and adverse site conditions and ensure that they are covered in such a way as to allow free circulation of air through the stock piles.

MORTAR

In the absence of a specific mortar mix we recommend the adoption of the specifications given in BS EN 998-2 : 2003. Our recommendation for a good average mix design would be mortar design (iii) Further information on the correct choice of mortar for use in various locations and different conditions of exposure is given in BRE Digest number 945..



MOVEMENT & CONTROL JOINTS

Movement joints are used to eliminate or control cracking within the wall. The joints should be located at junctions which may be vulnerable to cracking. The following are areas where control joints may be necessary: Further detailed information is available in BS 5628 : Part 1.

- (i) Straight walls should be limited to approximately 6 metres, with movement joints between panels. The effects of end restraint should be assessed when deciding on the panel length, since this could reduce the spacing of the joints. The length of each panel should not normally exceed twice the height.
- (ii) Changes of height, thickness and profile (either on plan or section)
- (iii) Adjacent to openings
- (iv) Junctions with intersecting walls or columns
- (v) Positions where the walls are penetrated by major services or large chases.

Bed joint reinforcement (parallel wire type) can be used to increase joint spacing. As an alternative to movement joints adjacent to openings, bed joint reinforcement can be used in two courses above and below (if appropriate) and extending a minimum of 60mm beyond the opening limits.

CONTINUED ON BACK COVER

BEARINGS

Gryphon blocks are suitable to carry timber joints or concrete beams direct, where standard domestic loading is being applied. Any bearing should be for the full width of the block. Specific loading situations should be checked by a qualified engineer.

CHASING

All chasing cuts should be clean and formed, using a rotary disc saw. Chasing depths should not exceed the following:- Vertical chasing - $\frac{1}{3}$ rd block thickness, Horizontal chasing - $\frac{1}{6}$ th block thickness.

FIXING

The Gryphon blocks will take a cut nail or plug and screw. If excessive loading is anticipated the fixing manufacturer should be consulted.

JOIST HANGERS

Joist hangers should be used according to the manufacturer's recommendations, with the type of hanger suitable for load, size of section and type of block.

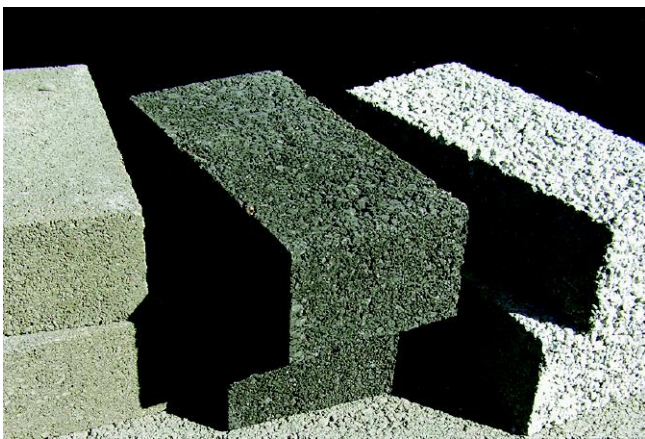
PLASTERING

Internal plastering may be applied to blockwork walls for specific design purposes, to improve fire resistance and/or to provide increased sound attenuation. BS EN : 13914-2 : 2005 "Code of practice for internal plastering" should be consulted for details.

RENDERING

Can be applied to any type of concrete block walling in order to provide a specific appearance, increase weather protection in exposed situations and increase the performance of a wall with respect to noise transmission. BS EN 13914-1 : 2005 "Code of practice for external rendered finishes" should be referred to and the general points made above with respect to plastering are equally applicable to the application of render.

**FOR FURTHER TECHNICAL INFORMATION
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Ordering & Delivery

Gryphon Concrete Products is committed to ensuring the highest levels of customer services and make every effort to deliver the products within the time scale requested by the customer. To enable us to maintain the level of satisfaction which we must provide it will be helpful to consider the following matters when discussing your requirements and hopefully your orders.

DELIVERY

Gryphon Concrete Products can be delivered throughout the UK on self unloading vehicles. For load size details please contact the sales office.

When requesting a delivery please quote the reference from the order acknowledgement and also provide your own particular order reference number where necessary.

PACKAGING

Blocks are packaged into standard bundles or standardised cubes-unwrapped. The pack or cube size will depend on the block type density. If required packs can be shrink wrapped, palletised and strapped as necessary by arrangement.

Every care is taken to ensure that damage does not occur during loading and transit. To further this objective, blocks should be stored on site on level dry ground in covered but ventilated stacks.

Gryphon Concrete blocks are subject to quality control tests at each stage of the production process to ensure consistent high quality.

Although every care is taken we cannot guarantee that there will be no colour variation in our standard quality blocks and would suggest that blocks be taken from various cubes when laying to reduce the possibility of banding.

TOLERANCES

All stated sizes and dimensions herein are nominal and subject to manufacturing tolerances BS EN : 771-3 : 2002.

ORDERING

When telephoning your enquiry please give your address including county.

Blocks are normally priced in square metres (m²). The number per pack is based on the particular size of product required. Brickettes for coursing etc. are generally priced per thousand. Orders must be placed through our sales office on 01495 227331 giving the following information with your order:

- Quantity
- Size regarding the three work size dimensions
- Compressive strength
- Product type ie. dense, medium or lightweight, standard or paintgrade texture
- Full delivery details including a call back telephone number if possible

The Company has a policy of continuous improvement and product development. Therefore information contained in this literature is subject to alteration without notice.

