



block paving and ornamental concrete blocks

Manufacturers of  
**concrete building blocks**  
**block paving, architectural and**  
**ornamental concrete products**



# block paving and ornamental concrete blocks





# contents

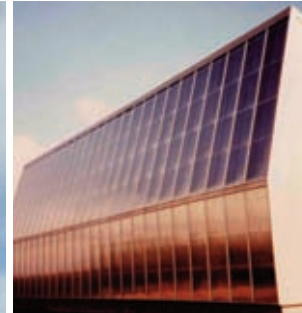
<b>: Introduction</b>	
Introduction & history	5
<b>: Paving Products</b>	7
Monapave	8
Monapave Hexagon	10
Monapave Permeable paves	11
Carreg Cobble	12
Carreg Mon	14
Britannia Paviours	16
Penmon Paviours	17
Mona Kerb & Channel Units	18
Monapave Slab	20
<b>: Architectural &amp; Ornamental</b>	21
Balustrades & Pillars	22
<b>: Concrete Building Blocks</b>	23
<b>SPECIAL RANGE</b>	
Split face	24
Quions	25
Fair finish	26
Textured, Revels Sills	27
<b>STANDARD RANGE</b>	
Coursing Bricks	28
Monacrete Blocks	29
Monalight & GPI Blocks	32
Fibotherm	35
U Value Thermal Performance	37
<b>: General Information</b>	
General information & guidance	40
Notes	42
Location	43

For 50 years Mona Precast (Anglesey) Ltd have been producing the highest quality concrete blocks, bricks and pavements for the construction industry. Their history has included many proud moments that they are celebrating during 2010, our birthday year.

Mona Precast are proud of their dedicated team. Many of their members have been employed for 20 years and are a major factor in the success of the business and a tribute to the 50 successful years they are now celebrating.

We have our own dedicated Transport Fleet

SATICE - solar assisted thermally insulated curing enclosure





## introduction



Mona Precast was the brainchild of Howell Jones and his son Peter. In 1960, having worked for many years in the construction industry on projects including the Mersey Tunnel, Howell and his family came to Holyhead on Anglesey, North Wales, where father and son founded Mona Precast.

They manufactured concrete blocks and fence posts, as well as wet cast products. Everything was made by hand – even the moulds were handcrafted. Products were made during the day and then delivered in the evening. From this modest beginning grew Mona Precast's dedication to the production of quality materials and a commitment to excellent customer service.

As more and more customers discovered Mona Precast, so the company grew and invested in the latest machines and technology. It recruited and trained local people.



### Commitment to the environment

Mona Precast strived to reduce energy consumption and its impact on the environment from the very beginning, a challenge we continue to rise to. We use environmentally friendly processes wherever possible. To this end the company has invested in a solar powered curing building (SATICE - solar assisted thermally insulated curing enclosure). This harnesses the natural heat of the sun's rays and cures the products without the use of any other source of energy.



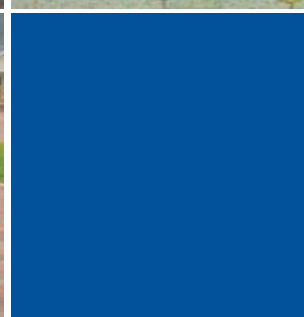
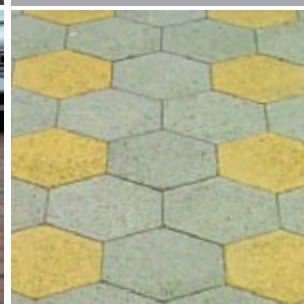
### Transport fleet

To maintain customer service at the highest possible level, Mona Precast (Anglesey) Ltd operates its own dedicated transport fleet.

Rigid and articulated vehicles are used to deliver to builders merchants and construction sites nationwide. All the vehicles are fitted with the latest off loading equipment and manned by experienced, fully-trained drivers.



[www.monaprecast.com](http://www.monaprecast.com)





## paving products



Our paviours are manufactured to the highest standard and come in a range of colours: Brindle, Terracotta, Buff, Charcoal and Natural. We also produce kerb and channel units which are specifically designed for use with our paviours.

‘strong, durable  
& sustainable’



### MONAPAVE

These concrete paviours are designed to improve the façade of both traditional and contemporary surroundings. Their good looks and durability offers high performance for both home and industrial products.

This ever popular range introduces a greater flexibility in design and options



### HEXAGON

The Monapave Hexagon's classical design compliments both traditional and modern environments.



### CARREG COBBLE

These concrete paviours evoke that distinctive charm of the traditional courtyard cobble. Providing an elegant and durable approach to both traditional and contemporary homes.



### CARREG MÔN

These concrete paviours are designed to create a superior approach to your property, whilst still maintaining that rustic charm. Possessing a timeless appeal that blends well with any home



### PENMON PAVIOURS

These paviours have undergone special weathered treatment that reveals the rich texture and light reflecting qualities of shimmering stone.



### BRITANNIA PAVIOURS

These paviours possess a quaint authentic timeworn appearance. Their distressed quality and treated edges lend presence and prestige to any property.



### MONAKERB

These provide the ideal edging solution to driveways etc. They are produced in two sizes and three colours: Brindle, Terracotta and Charcoal. To compliment the Monakerb range, both large and small, internal and external 90 degree units are also manufactured.



### MONA CHANNEL UNITS

These are small dished units which provide surface runway for driveways etc. They are produced to enhance our pavior range.



[www.monaprecast.com](http://www.monaprecast.com)

Their good looks and durability offers high end performance for both home and industrial projects. This ever popular range introduces a greater flexibility in design options



Monapave 50mm Charcoal



monapave 50mm brindle



# monapave 50

Mona Pave 50 concrete paviours are designed to improve the façade of both traditional and contemporary surroundings.

They all come in a range of colours



Brindle



Terracotta



Buff



Charcoal



Slate Blue



Natural



## UNITS

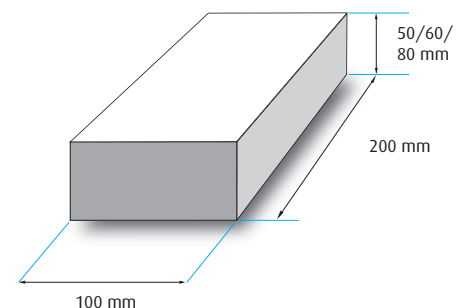
Unit size  
200mm x 100mm x 50 / 60 / 80

## PACK SIZE

540 blocks, 10.8<sup>2</sup>

## PACK WEIGHT

1.13 tonnes

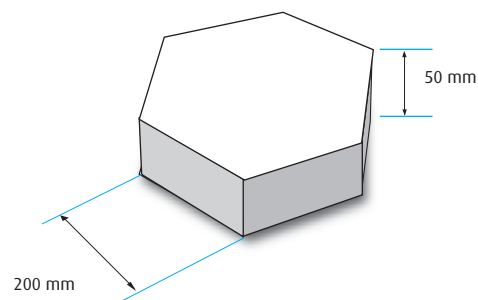
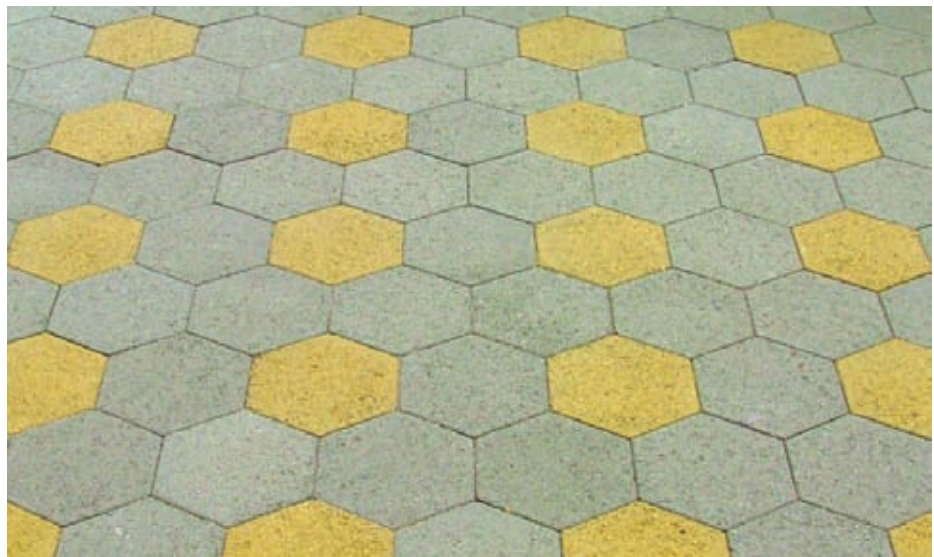


# monapave Hexagon

'strong, durable  
& sustainable'

The Monapave Hexagon's classical design  
compliments both traditional and modern  
environments.

Incorporating a wide range of colours, the Monapave Hexagon can  
transform any garden or driveway into a design masterpiece.

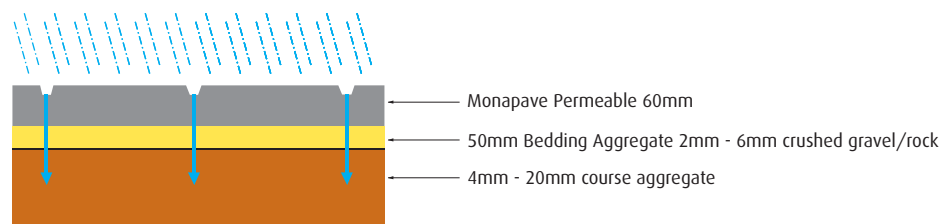




# monapave permeable

The Monapave Permeable has been designed to improve the problems associated with water run-off from paved surfaces.

Its permeable qualities allow the natural filtration of rainwater back into the subsoil through the void spaces. Its innovative design possesses the characteristics and performance of regular pavements.



A drainage figure of 1.23%/1.845 l/sec/m<sup>2</sup> has been calculated depending on the design of the sub-base and stone in the joints.

‘strong, durable  
& sustainable’

Monapave Permeable pavements are designed to be laid in 3 traditional ways; stretcher bond, herringbone and basket weave and are available in a range of 5 colours:

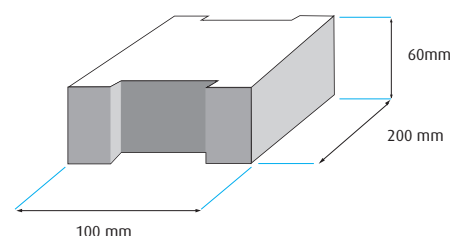
charcoal, terracotta, buff, brindle and natural

## UNIT SIZE

200mm x 100mm x 60mm

## PACK SIZE

468 blocks, 9.36m<sup>2</sup>





[www.monaprecast.com](http://www.monaprecast.com)

Providing an elegant  
and durable approach  
to both traditional and  
contemporary homes.

Ideal for a more traditional,  
cobble appearance.

'strong, durable  
& sustainable'





## carreg cobble

Carreg Cobble pavements evoke that distinctive charm of the traditional courtyard cobble.

Carreg Cobble come in a range of colours:  
Brindle, Terracotta, Buff, Charcoal and Natural.

'strong, durable  
& sustainable'



### UNITS

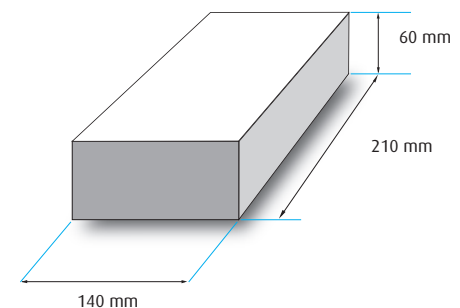
Unit size  
210mm x 140mm x 60mm

### PACK SIZE

312 blocks, 9.18m<sup>2</sup>

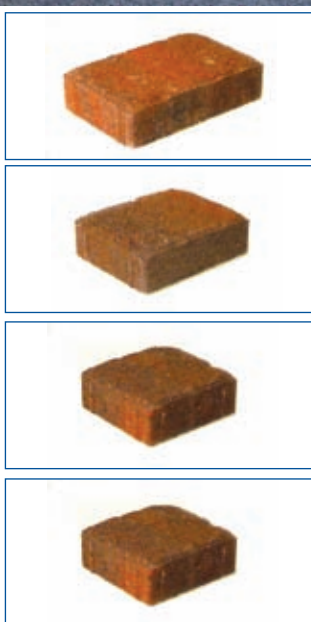
### PACK WEIGHT

1.2 tonnes





[www.monaprecast.com](http://www.monaprecast.com)



possessing a timeless appeal that blends well with any home

Ideal for a more traditional, cobbled appearance.



Carreg Môn concrete paviours are designed to create a superior approach to your property, whilst still maintaining that rustic charm.

Carreg Môn come in a range of colours and 4 different sizes:  
Brindle, Terracotta, Buff, Charcoal and Natural.



## UNITS

Unit size  
50 mm

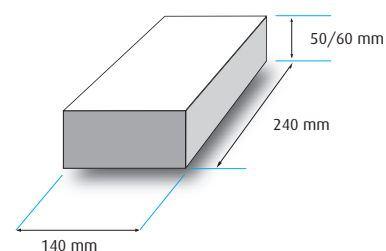
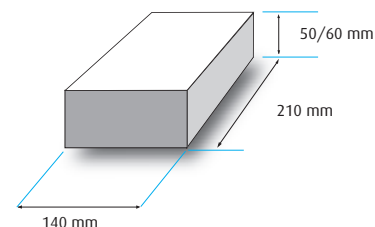
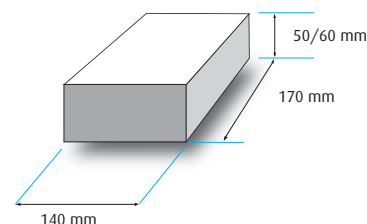
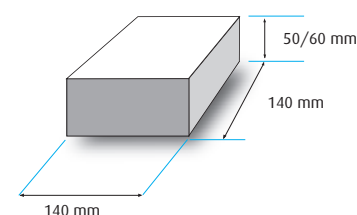
### PACK SIZE

420 blocks, 11.34m<sup>2</sup>

Unit size  
60 mm

### PACK SIZE

364 blocks, 9.82m<sup>2</sup>



# Britannia pavours

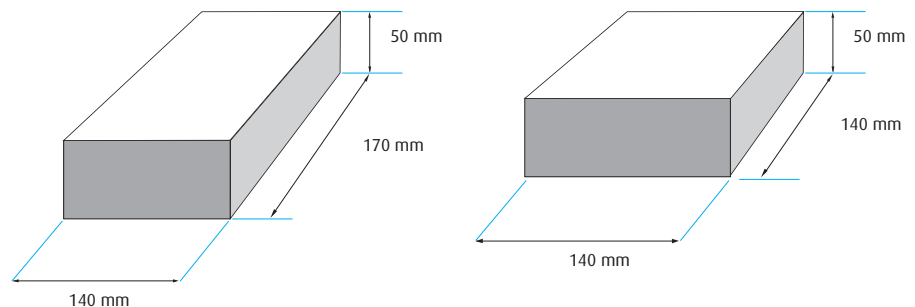
‘strong, durable  
& sustainable’

Manufactured in two sizes with  
a choice of five colours:  
**Brindle, Terracotta, Buff,**  
**Charcoal and Natural**



The Britannia pavours possess a quaint authentic timeworn appearance. Their distressed quality and treated edges lend presence and prestige to any property.

Their antique finish makes them a timeless classic for driveways, patio's and terraces.

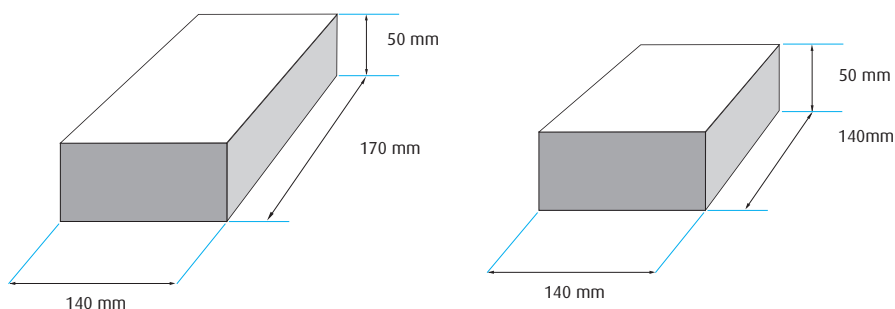




## penmon pavours

The Penmon pavours have undergone special weathered treatment that reveals the rich texture and light reflecting qualities of shimmering stone.

Their heavy duty low slip weathered profile makes them both a practical and aesthetic choice for both classic and contemporary driveways and gardens.



'strong, durable  
& sustainable'

Manufactured in two sizes  
with a choice of colours:  
Brindle, Terracotta, Buff,  
Charcoal and Natural



### UNIT SIZE

170mm x 140mm x 50mm  
140mm x 140mm x 50mm

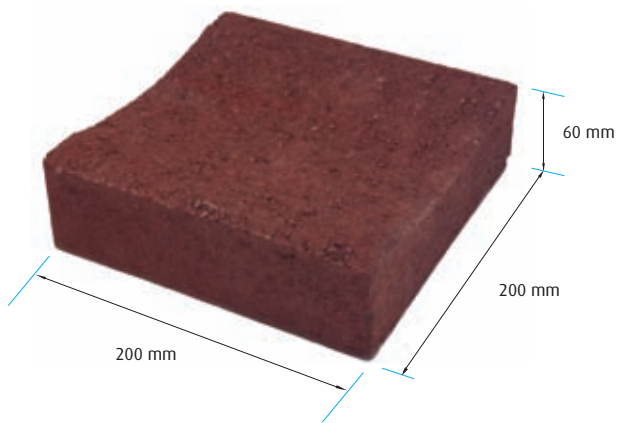
### PACK SIZE

540 blocks, 11.72m<sup>2</sup>

## mona kerb channel units

'strong, durable  
& sustainable'

Mona Channel units are high quality small dished units that provide an ideal surface water runway for driveway, pathway, etc., and are produced in charcoal, terracotta and brindle.



corner examples





## mona kerb corners

Our Monakerb products are the perfect edging solution for driveways, pathways and patios.

They are produced in two sizes and are available in Charcoal, Terracotta, Buff, Brindle and also as corner kerbs to compliment our range of paviments.

'strong, durable  
& sustainable'



	<b>Kerb Corner - Small Inside</b> <b>UNIT SIZE</b> 125mm x 125mm x 125mm
	<b>Kerb Corner - Small outside</b> <b>UNIT SIZE</b> 125mm x 125mm x 125mm
	<b>Kerb Corner - Large inside</b> <b>UNIT SIZE</b> 200mm x 125mm x 125mm
	<b>Kerb Corner - Large outside</b> <b>UNIT SIZE</b> 200mm x 125mm x 125mm
	<b>Small &amp; Large Kerbs</b> <b>UNIT SIZE</b> S: 125mm x 125mm x 100mm L: 200mm x 125mm x 100mm

# monapave slab

'strong, durable  
& sustainable'

The Monapave slab is manufactured in three high quality finishes, Traditional Smooth, Riven and Contemporary Conwy.

Manufactured in a choice of colours:

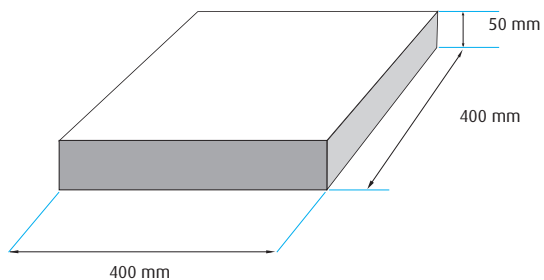
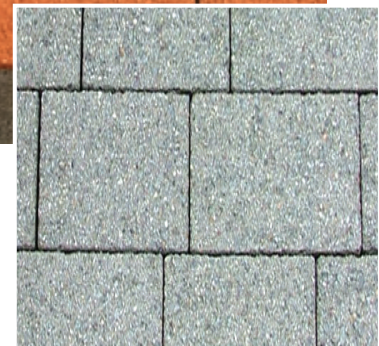
**Brindle, Terracotta, Buff,  
Charcoal and Natural**

## UNIT SIZE

400mm x 400mm x 50mm

## PACK SIZE

60 blocks, 9.6m<sup>2</sup>





# Architectural & Ornamental



# balustrades & pillars

'strong, durable  
& sustainable'

Our balustrades consist of high quality units that are specifically designed to complement each other.

The four units (baluster, pillar, coping and base) are available as separate units. This ensures great flexibility when designing patio edging, garden walls, etc.

## BALUSTRADE COPING

Length - 600mm

## BALUSTER

Height - 475mm

## BALUSTER BASE

Length - 600mm

Overall height of above  
three items assembled -  
635mm

## PILLAR COMPRISING

PILLAR CAP

PILLAR

PILLAR BASE

(Overall height - 640mm,  
Overall width - 315mm)





# Concrete building blocks



# split face blocks & quions

SPECIAL RANGE



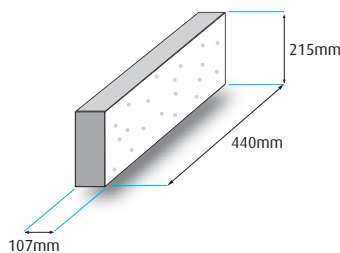
Split face walling blocks are an attractive, high quality product with a variety of uses. Their texture adds architectural interest to buildings, walls and landscaping and their versatility is enhanced by a choice of sizes available.

Split face blocks are manufactured using local natural aggregates that produce a very attractive light grey and buff colour. They are available in 3 different sizes. Corner Blocks (Quions) are also produced to compliment this range.

## Large Split Face Blocks

### Unit size:

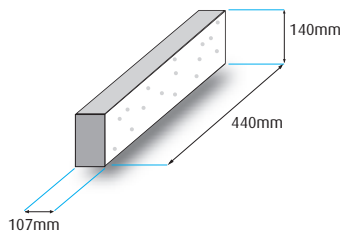
L 440mm x  
W 107mm x  
H 215mm  
Weight: 21kg



## Medium Split Face Blocks

### Unit size:

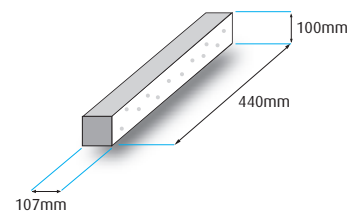
L 440mm x  
W 107mm x  
H 140mm  
Weight: 14kg



## Small Split Face Blocks

### Unit size:

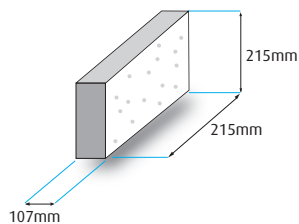
L 440mm x  
W 107mm x  
H 100mm  
Weight: 10kg



## Large Split Face Half Blocks

### Unit size:

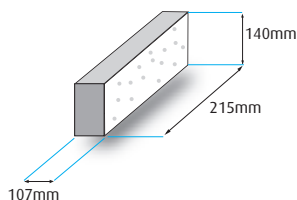
L 215mm x  
W 107mm x  
H 215mm  
Weight: 10kg



## Medium Split Face Half Blocks

### Unit size:

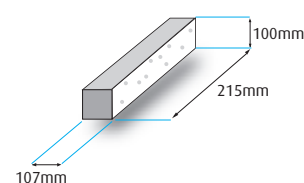
L 215mm x  
W 107mm x  
H 140mm  
Weight: 7kg



## Small Split Face Half Blocks

### Unit size:

L 215mm x  
W 107mm x  
H 100mm  
Weight: 5kg





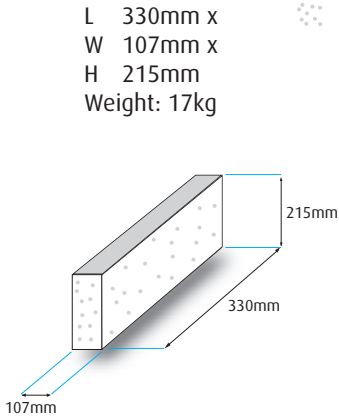
‘strong, durable  
& sustainable’



**Large Split Face Quions - Corner**

Unit size:

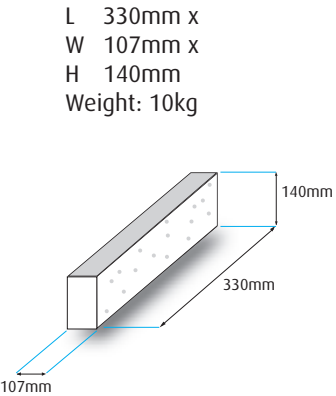
L 330mm x  
W 107mm x  
H 215mm  
Weight: 17kg



**Medium Split Face Quions - Corner**

Unit size:

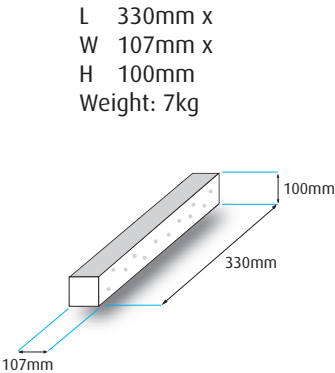
L 330mm x  
W 107mm x  
H 140mm  
Weight: 10kg



**Small Split Face Quions - Corner**

Unit size:

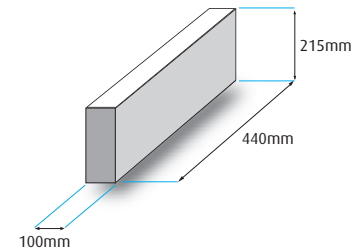
L 330mm x  
W 107mm x  
H 100mm  
Weight: 7kg



# fair finish blocks

SPECIAL RANGE

Fair Finish Blocks are an attractive high quality product. Available in a number of colours, these smooth textured blocks are ideal for many different uses from building to landscaping.



## Fair Finish Blocks

### Unit size:

440mm x 215mm x 100mm

440mm x 215mm x 140mm

### Colours:

Extensive range of colours available



BUFF



NATURAL



TERRACOTTA



# Textured, Reveals, Sills

SPECIAL RANGE

These fair finish products are cut, shaped and coloured to your specification.

Contact our sales office for more information.

'Tailor made to any colour and any size'



# coursing bricks

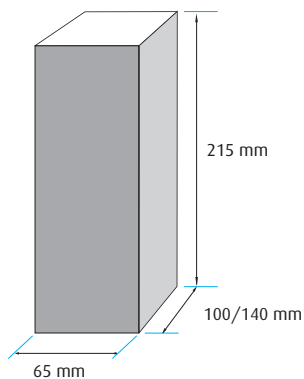
STANDARD RANGE

'strong, durable  
& sustainable'

## ADVANTAGES

- Continuity of wall U' value
- Avoids cutting and wastage of full blocks
- Consistent overall appearance

Coursing bricks are available to match GPI, Monacrete, Monalight, Fibotherm and Paingrade blocks which are manufactured using the same material



Brick size units intended for general coursing-in, infilling around lintels and closing cavities. Other uses include completeing coursing heights and window head, sill and ceiling-levels maintaining block courses and returns.

They eliminate the need for cutting and wastage of full blocks. Manufactured using the same material as the building blocks continuity of wall thermal U' value performance is assured.





# monacrete blocks

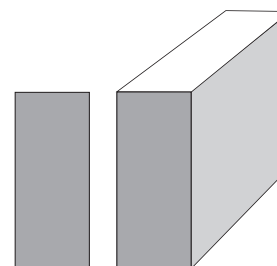
STANDARD RANGE

Monacrete blocks are high quality dense concrete 1800 - 2000kgM<sup>3</sup> blocks. They are strong heavy durable units manufactured in a variety of forms - Solid, Cellular or Hollow and are produced in several different sizes using only top quality locally sourced natural aggregates and binders.

The monacrete range is further enhanced by the choice of finished textures and colours available, including paint grade which is a close textured block that provides an ideal surface for the direct application of paint and fair finish blocks using only the finest materials to produce a very attractive smooth textured high quality finish.

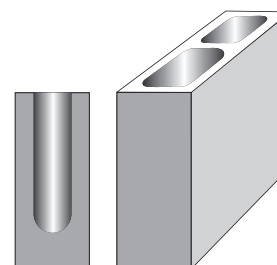
## ADVANTAGES

- High Quality
- High Strength
- Accurate Dimension
- Fire Resistant
- Acoustic Performance
- Recyclable
- Economic Construction



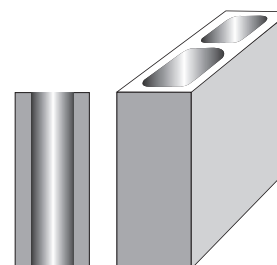
### SOLID BLOCKS

blocks that contain no formed cavities



### CELLULAR BLOCKS

blocks which contain two or more formed cavities which do not fully penetrate the block



### HOLLOW BLOCKS

blocks which contain two or more formed cavities which fully penetrate the block



**Monacrete Blocks - Table 1**  
Standard Compressive Strength

Block Description	Size 440x215x	Form	Standard Compressive Strength N/mm <sup>2</sup>
Monacrete 100	100	Cellular	3.5
Monacrete 100S	100	Solid	7.0
Monacrete 140	140	Cellular	7.0
Monacrete 140S	140	Solid	7.0
Monacrete 200	200	Hollow	3.5
Monacrete 200S	200	Solid	7.0
Monacrete 215	215	Hollow	7.0
Monacrete 215S	215	Solid	7.0
Midcrete 140S	290x215x140	Solid	7.0

Higher compression strengths area available  
The minimum average compressive strengths are shown above

**Monacrete Blocks - Table 2**  
Thermal Resistance

Block Description	Form	Thermal Resistance	
		3% m <sup>2</sup> K/W	5% m <sup>2</sup> K/W
Monacrete 100	Cellular	0.165	0.137
Monacrete 100S	Solid	0.078	0.073
Monacrete 140	Cellular	0.215	0.204
Monacrete 140S	Solid	0.124	0.116
Monacrete 200	Hollow	0.344	0.317
Monacrete 200S	Solid	0.164	0.153
Monacrete 215	Hollow	0.416	0.400
Midcrete 140S	Solid	0.124	0.116

Mona Precast reserve the right to revise product specification without notice. The information given is correct to the best of our knowledge at the time of publication, but it is the users responsibility to ensure it remains current prior to use.



### Monacrete Blocks - Table 3

Unit Weights\*

Block Description	Unit Weight (kg)	Weight laid kg/m <sup>2</sup>
Monacrete 100	13.0	146
Monacrete 100S	18.5	196
Monacrete 140	17.5	186
Monacrete 140S	26.0	271
Monacrete 200	25.0	260
Monacrete 200S	39.0	406
Monacrete 215	23.0	246
Monacrete 215S	40.0	411
Midcrete 140S	17.0	283

\* Laid weight includes assumed weight of 10.6Kg/m<sup>2</sup> of mortar. Weights are approximate and can vary according to moisture content.

### Table 4

Fire Resistance (hrs)

Load Bearing
2
2
2
3
2
6
2
6
3

The notional fire resistance figures assume load bearing single leaf unplastered work.

### Monacrete Blocks - Table 5

Sound Reduction R<sub>w</sub>dB

Block Description	Dense Plaster	Dry Lined
Monacrete 100	42	42
Monacrete 100S	43	42
Monacrete 140	43	42
Monacrete 140S	48	47
Monacrete 200	47	46
Monacrete 200S	52	51
Monacrete 215	49	48
Monacrete 215S	52	51
Midcrete 140S	48	47

These are the estimated Average Sound Reduction indices (100 - 3150Hz) of the blocks with a 13mm plaster finish applied on both room faces. These figures are provided for guidance purposes only.

Mona Precast reserve the right to revise product specification without notice. The information given is correct to the best of our knowledge at the time of publication, but it is the users responsibility to ensure it remains current prior to use.

# monalight & GPI blocks

STANDARD RANGE

Monalight & GPI blocks are high quality  
lightweight concrete density blocks  
1300-1600kgm<sup>3</sup>.

They are strong, lightweight durable units manufactured in both solid and cellular form, and are produced in several different sizes using only top quality aggregates and binders. The Monalight range is further enhanced by the choice of finished textures available including Paintgrade which provides an ideal surface for direct application of paint.

'strong, durable  
& sustainable'



## ADVANTAGES

- High Quality
- High Strength
- Light Weight
- Accurate Dimension
- Fire Resistant
- Acoustic Performance
- Recyclable
- Economic Construction



**Monalight/GPI - Blocks Data - Table 1**  
Standard Compressive Strength

Block Description	Size 440x215x	Form	Standard Compressive Strength N/mm <sup>2</sup>
100 GPI	100	Cellular	3.5
Monalight 100S	100	Solid	7.0
Monalight 140C	140	Cellular	3.5
Monalight 140S	140	Solid	7.0
Monalight 200S	200	Solid	7.0
Foundation	305x215x215	Solid	7.0

Higher compression strengths area available  
The minimum average compressive strengths are shown above

**Monalight/GPI - Blocks Data - Table 2**  
Thermal Resistance

Block Description	Thermal Resistance	
	3% m <sup>2</sup> K/W	5% m <sup>2</sup> K/W
100 GPI	0.259	0.244
Monalight 100S	0.204	0.192
Monalight 140C	0.435	0.415
Monalight 140S	0.280	0.260
Monalight 200S	0.297	0.276

Mona Precast reserve the right to revise product specification without notice. The information given is correct to the best of our knowledge at the time of publication, but it is the users responsibility to ensure it remains current prior to use.



monalight  
& GPI  
blocks

STANDARD RANGE

Monalight/GPI - Blocks Data - Table 3  
Unit Weights\*

Block Description	Unit Weight (kg)	Weight laid kg/m <sup>2</sup>
100 GPI	11.5	126
Monalight 100S	14.0	151
Monalight 140C	16.5	171
Monalight 140S	20.0	211
Monalight 200S	31.5	326
Foundation	25.0	536

\* Laid weight includes assumed weight of 10.6Kg/m<sup>2</sup> of mortar. Weights are approximate.

Table 4  
Fire Resistance (hrs)

Load Bearing
2
2
2
2
4
4

The notional fire resistance figures assume load bearing single leaf unplastered work.

Monalight/GPI - Blocks Data - Table 5  
Sound Reduction RwdB

Block Description	Iwt Plaster
100 GPI	38
Monalight 100S	40
Monalight 140C	40
Monalight 140S	43
Monalight 200S	49
Foundation	N/A

These are the estimated Average Sound Reduction indices (100 - 3150Hz) of the blocks with a 13mm plaster finish applied on both room faces. These figures are provided for guidance purposes only.

Mona Precast reserve the right to revise product specification without notice. The information given is correct to the best of our knowledge at the time of publication, but it is the users responsibility to ensure it remains current prior to use.



# fibotherm blocks

STANDARD RANGE

Fibotherm lightweight insulation blocks density 850Kg/m<sup>3</sup> are manufactured from fibo ExClay expanded lightweight aggregates and a mixture of other naturally occurring raw materials and cement.

Fibo Exclay is manufactured from a special kind of clay which through heat expansion is transformed into lightweight porous granules with numerous cavities. This is what gives Fibotherm blocks their incredible lightweight properties.

Produced in solid form, Fibotherm blocks are extremely lightweight, grey in colour and give an open texture finish. The faces of the Fibotherm block provide the ideal key for plastering.

'strong, durable  
& sustainable'

## Fire Resistance

Fibotherm insulation blocks are manufactured using Class 1 aggregate. fibo ExClay is processed at approx 1150°C - melting point is in excess of 1250°C.



### ADVANTAGES

- Superior Thermal Qualities
- Extremely lightweight
- Ideal Plaster Key
- Easy to lay
- Economic construction
- Fire Resistance





**Fibotherm - Table 1**  
Standard Compressive Strength

Block Description	Size 440x215x	Form	Compressive Strengths N/mm <sup>2</sup>
Fibotherm 100	100	Solid	3.5
Fibotherm 140	140	Solid	3.5
Fibotherm 200	200	Solid	3.5

Higher compression strengths area available  
The minimum average compressive strengths are shown above

**Fibotherm - Table 2**  
Thermal Resistance

Block Description	Thermal Resistance	
	3% m <sup>2</sup> K/W	5% m <sup>2</sup> K/W
Fibotherm 100	0.40	0.357
Fibotherm 140	0.56	0.50
Fibotherm 200	0.80	0.714

**Fibotherm - Table 3**  
Unit Weights\*

Block Description	Unit Weight (kg)	Weight laid kg/m <sup>2</sup>
Fibotherm 100	9.0	101
Fibotherm 140	13.0	140
Fibotherm 200	16.0	171

\* Laid weight includes assumed weight of 10.6Kg/m<sup>2</sup> of mortar.  
Weights are approximate and can vary according to moisture content.

**Table 4**  
Sound Reduction RwdB

Lwt Plaster
39
42
44

These are estimated Average Sound Reduction indices (100 - 3150Hz) of the blocks with a 13mm plaster finish applied on both room faces. These figures are provided for guidance purposes only.

Mona Precast reserve the right to revise product specification without notice. The information given is correct to the best of our knowledge at the time of publication, but it is the users responsibility to ensure it remains current prior to use.



# 'U' value - thermal performance

STANDARD RANGE

## Part L. Thermal Insulation

The Government has announced new measures to improve the energy efficiency of buildings. The changes to Part L (conservation of fuel and power) of the Building Regulations for England & Wales are applicable from the 6th of April 2006.

The aim is to meet the requirements of The Energy Performance of Buildings Directive, which aims to further combat climate change and requires buildings to be better insulated and make use of more efficient heating systems. Although the performance values of the building will depend on factors such as air permeability values, fuel type and heating efficiency, it is likely that wall "U" value of around 0.30W/m<sup>2</sup>k will be required.

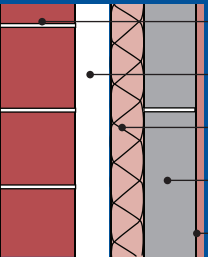
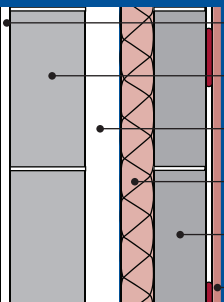
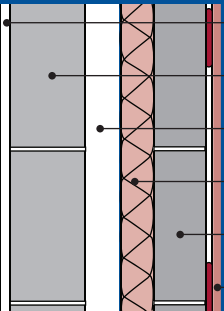
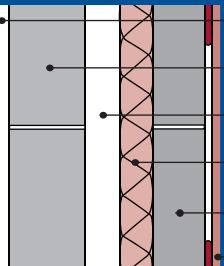
Meeting the "U" value of 0.30W/m<sup>2</sup>k is easy using Mona Precast blocks, the following are a small selection of the many options available.

Option 1	U Value = 0.27W/m <sup>2</sup> k	Partial Fill
	Outer Finish	- Render
	Outer Leaf	- GPI Block
	Cavity	- 50mm
	Insulation	- 50mm Kingspan TW50
	Inner Leaf	- GPI Block
	Finish	- Plasterboard

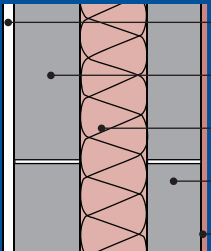
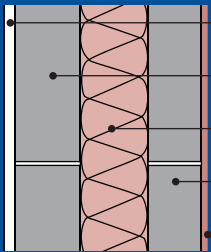
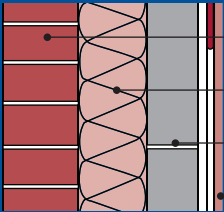
Option 2	U Value = 0.29W/m <sup>2</sup> k	Partial Fill
	Outer Finish	- Render
	Outer Leaf	- Monacrete 100 Block
	Cavity	- 50mm
	Insulation	- 50mm Kingspan TW50
	Inner Leaf	- Monacrete 100 Block
	Finish	- Plasterboard

# 'U' value thermal performance

continued

Option 3	U Value = $0.30\text{W/m}^2\text{k}$	Partial Fill
	<ul style="list-style-type: none"> <li>Outer Leaf - Brick</li> <li>Cavity - 50mm</li> <li>Insulation - 50mm Kingspan K8</li> <li>Inner Leaf - Monacrete 100 Block</li> <li>Finish - 13mm Gypsum Plaster</li> </ul>	
Option 4	U Value = $0.28\text{W/m}^2\text{k}$	Partial Fill
	<ul style="list-style-type: none"> <li>Outer Finish - Render</li> <li>Outer Leaf - Monalight 100S Block</li> <li>Cavity - 50mm</li> <li>Insulation - 50mm Kingspan TW50</li> <li>Inner Leaf - Monalight 100S Block</li> <li>Finish - Plasterboard on Dabs</li> </ul>	
Option 5	U Value = $0.27\text{W/m}^2\text{k}$	Partial Fill
	<ul style="list-style-type: none"> <li>Outer Finish - Render</li> <li>Outer Leaf - 100mm GPI Block</li> <li>Cavity - 55mm</li> <li>Insulation - 45mm Kingspan K8</li> <li>Inner Leaf - 100mm GPI Block</li> <li>Finish - Plasterboard</li> </ul>	
Option 6	U Value = $0.16\text{W/m}^2\text{k}$	Partial Fill
	<ul style="list-style-type: none"> <li>Outer Finish - Render</li> <li>Outer Leaf - GPI Block</li> <li>Cavity - 50mm</li> <li>Insulation - 100mm Kingspan TW50</li> <li>Inner Leaf - GPI Block</li> <li>Finish - Plasterboard</li> </ul>	



Option 7	U Value = 0.29W/m²k	Full Fill
	<div>Outer Finish - Render</div> <div>Outer Leaf - 100mm GPI Block</div> <div>Insulation - 85mm Dritherm 32</div> <div>Inner Leaf - 100mm GPI Block</div> <div>Finish - Lightweight Plaster</div>	
Option 8	U Value = 0.27W/m²k	Full Fill
	<div>Outer Finish - Render</div> <div>Outer Leaf - Monacrete 100 Block</div> <div>Insulation - 100mm Dritherm 32</div> <div>Inner Leaf - Monacrete 100 Block</div> <div>Finish - Lightweight Plaster</div>	
Option 9	U Value = 0.27W/m²k	Full Fill
	<div>Outer Finish - Brick</div> <div>Insulation - 100mm Dritherm 32</div> <div>Inner Leaf - Monalight 100S Block</div> <div>Finish - Plasterboard on Dabs</div>	

Details of the insulation materials featured in the above options can be obtained from:

**Dritherm** - Knauf Insulation - Tel: 01744 766 666 - [www.knaufinsulation.co.uk](http://www.knaufinsulation.co.uk)

**Kingspan** - Kingspan Insulation - Tel: 0870 733 8333 - [www.insulation.kingspan.com](http://www.insulation.kingspan.com)

Mona Precast reserve the right to revise product specification without notice. The information given is correct to the best of our knowledge at the time of publication, but it is the users responsibility to ensure it remains current prior to use.

## general information

### Efflorescence

Efflorescence can appear as a milky white stain which many occur on the surface of the product, which can give the appearance of loss of intensity of colour in material. It is not detrimental in any way and is temporary. We cannot accept responsibility for it's occurrence.

### Colour variations

The colours in this brochure are as close photographically as possible, but we would recommend that you view a display before making your choice. Colour change can occur due to the natural raw materials being of slightly different shades. We advise that all the paviours are chosen from the same batch and that you select your paviours vertically from two different pallets for the best effect.

### Maintenance

To keep up the appearance of your paviours periodic cleaning may be required. A stiff brush and clean waer should suffice. If there is a slight stain a mild detergent such as washing up liquid may be used. Where there are trees is is advisable to sweep the area regulary as they may stain if left for long periods.

Power washing is not usually needed but if desired it is best to sweep the area well before, as debris could scratch the surface.

Proprietary cleaning agents should only be used with care as they might effect the colour over time. Always read their instructions before using.

### A simple guide to laying block paving

#### Preparation:

Remove the top surface - soil, turf or existing slabs, etc. to a good firm base. The paving area should be surrounded by a firm edge restraint. Lay sub-base and compact thoroughly to an approximate depth of 100mm. Screed out 50mm sharp sand and compact thoroughly, then screed an extra 20mm of sharp sand but do not compact. Once the base is smooth up to the correct level, you will be in a position to lay your block paving.

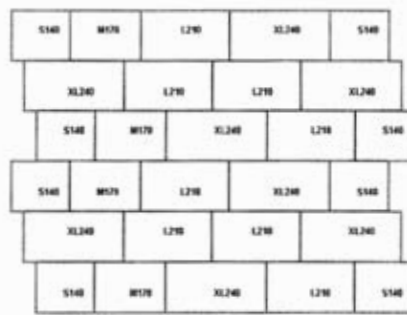
#### Laying your paving block:

The paviours are simply placed on the sand, depending on the pattern you require. Laying begins on the edge or corner and proceed along one laying face until complete.

Then after making sure there is no debris on the paviours, using a rubber faced vibrating plate, pass the vibrator over the area 2/3 times to compact the area and make it even. Finally, after making sure that the paviours are dry, brush kiln dried on to the paviours and brush into the fine spaces between. Pass the rubber faced vibrator plate over the area again to tightly pack the sand into the joints.

#### This is one suggested laying pattern

Carreg Môn - One pallet Level / 0.756 Sq Mtr





Our quality and our service remain our hallmarks today, helping to make Mona Precast a market leader. Our products can be found in landmark buildings, such as the new Snowdon summit café, as well as supermarkets, schools, health centers and other modern structures.

With Mona Precast's position in the industry assured, founder Peter Jones and his sons Chris, Nigel and Mark continue to build on the wonderful foundations laid by Howell half a century ago.

### **Our sustainability**

Mona Precast strives to use a very high proportion of locally sourced recycled materials in its production of concrete products. Our world-class manufacturing facility is also very energy efficient, significantly reducing our CO<sub>2</sub> emissions.

### **Your sustainability**

Mona Precast concrete products are perfect for constructing modern, energy-efficient buildings fit for the 21<sup>st</sup> century.

Our quality products have a long life and require no maintenance. Concrete structures are easily modified to fit changing demand, are not adversely affected by floodwater, and have excellent fire resistant properties.

Use our concrete products and you will meet or exceed the more stringent energy efficiency requirements under Part L of the Building Regulations for England and Wales.

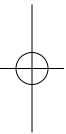
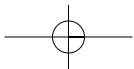
Mona Precast concrete blocks are ideal to achieve high Green Guide ratings for both walls and floors.

Studies show that conventional masonry homes that take advantage of inherent thermal mass save a significant amount of energy over their lifetime compared to lightweight timber-framed housing.

Mona Precast products can be used to construct buildings with a high thermal mass, and they make compliance with the Code for Sustainable Homes equally straightforward.



Mona Precast are a member of the **CBA**

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



# LOCATION



Come off at junction 7 of the A55 and follow signs for Gaerwen Industrial Estate

## Errors, Omissions and Changes

Every effort has been made to ensure accuracy of the information provided in this brochure but it is published errors and omissions excepted. No part of the brochure constitutes part of an actual or implied contract. Mona Precast (Anglesey) Ltd. standard terms and conditions apply. Colours, textures, dimensions, weights are subject to manufacturing tolerances and the specification and availability of product ranges and colours may be subject to change without notice.



Gaerwen Industrial Estate  
Gaerwen  
Anglesey/Ynys Môn  
LL60 6HR

T. 01248 421772  
F. 01248 421424  
E. [sales@monaprecast.com](mailto:sales@monaprecast.com)  
[www.monaprecast.com](http://www.monaprecast.com)

