

## Transport, Storage and Construction Information

### Quikbloc

Moore Concrete Quikbloc are manufactured in accordance with BS EN 15258:2008. Care must be taken during transport, offloading and installation to guarantee the integrity of the units.

The full design strength of the Quikbloc will only be achieved after **28 days**. The date of manufacture will be specified on the product label fixed to the unit, this label also shows the unit weight. If this label is missing please contact Moore Concrete for advice.

#### **Appropriate application**

In certain circumstances Quikblocs can be stacked in a brick bond pattern and used to retain materials. Care should be taken to ensure that loading capacities are never exceeded, either during construction or end use. Please refer to the table at the end of this document for suitable cases. If your case falls outside these options, please get in touch.

#### **Applicable Units:**

PRODUCT TYPE	L x W x H (mm)	Weight
Full Block (Standard)	1400 x 700 x 700	1600
Half Block (Standard)	700 x 700 x 700	800
Full Block (Large)	1600 x 800 x 800	2350
Half Block (Large)	800 x 800 x 800	1175

#### **Transport**

- The blocks will be placed on timber skids
- The units will be stacked 1 Nr. high on the wagon and strapped down securely with ratchet straps.
- The driver collecting the units from Moore Concrete will be responsible for securing and the stability of the units before departing the yard.



## Offloading & Storage

Handling of the units should be completed by competent persons in line with a specific risk assessment and “Lifting Operations Lifting Equipment Regulations - 1998 or 1999 (NI)”. If a crane is required, the installation should be completed in line with a Lift Plan in accordance with BS 7121-1:2016 ‘Safe Use of Cranes’.

- All equipment should be checked before use, to ensure that it is in a good condition and capable of lifting the units.
- Offloading and storage must be done safely and carefully on to firm and level ground.
- Units must be offloaded individually and in a horizontal position using pallet forks. The forks must be centred on the unit.

## Installation

- Provision for lifting is made with 2.1 ton R Anchor (s) which is/are cast into the top of the unit. Thus providing a quick connection point for installation by chain (s) and hook (s). Where 2 Nr. R Anchors are present on the block, both must be used to lift.

During installation of the units the customer must ensure that:

- if using a fork truck/telehandler an approved fork mounted hook attachment should be used to fix to the utility anchor (s). The mounted hook(s) should be secured to the forks to prevent movement. If fork toes are not available a hiab, crane or digger can be used.
- It is recommended that blocks are placed on a concrete base slab - 150mm minimum slab thickness onto firm bearing material capable of resisting 100kN/m<sup>2</sup> bearing pressure.
- It is crucial the bottom row of blocks are laid level, it may be necessary to use packers/shims to remove discrepancies. Any unevenness in the first row will become more apparent as additional rows are added. This can potentially hamper installation of blocks as the wall height increases.
- Subsequent rows the units must be installed with over lapping joints and half blocks are available upon request.
- Please note that 1 of the faces on the block is a floated finish, customers may wish to rotate the blocks so this face is one side of the wall
- During stacking the top of the lower unit should be checked to ensure there is no debris present and the bottom of the upper unit should be checked for debris that would prevent the units locking fully together
- Be aware that one face of the block is a floated face, for aesthetic reasons customers may wish to position walls with this face to the same side of the wall



**The manufacturer assumes no liability for damage incurred by improper handling.**

## Quikbloc Stackable Precast Blocks



Applicable Sizes :-  
 1600 l x 800 h x 800 w Quikbloc  
 1400 l x 700 h x 700 w Quikbloc

	Grain	Silage*	Root Vegetables	Green Waste	Biomass (wood chip)	Fertiliser	Solid Fuel (Coal)	Aggregate	Road Salt	Soil and 5kN/m <sup>2</sup> surcharge loading
Density	8 kN/m <sup>3</sup>	7 kN/m <sup>3</sup>	9 kN/m <sup>3</sup>	9 kN/m <sup>3</sup>	4 kN/m <sup>3</sup>	12.5 kN/m <sup>3</sup>	11 kN/m <sup>3</sup>	20 kN/m <sup>3</sup>	20 kN/m <sup>3</sup>	20 kN/m <sup>3</sup>
Quikbloc Wall Height	Level Fill	Level Fill	Level Fill	Level Fill	Level Fill	Level Fill	Level Fill	Level Fill	Level Fill	Level Fill
1 block high	✓	Unsuitable	✓	✓	✓	✓	✓	✓	✓	✓
2 block high	✓		✓	✓	✓	✓	✓	✓	✓	✓
3 block high	✓		✓	✓	✓	✓	✓	Unsuitable	Unsuitable	Unsuitable
4 block high	✓		✓	✓	✓	Unsuitable	Unsuitable	Unsuitable	Unsuitable	Unsuitable
5 block high	Unsuitable		Unsuitable	Unsuitable	Unsuitable	Unsuitable	Unsuitable	Unsuitable	Unsuitable	Unsuitable

The above stability calculations assume the blocks will be placed on a concrete base slab as the bearing pressure under the blocks will be too high for normal stone beds.

150mm minimum slab thickness onto firm bearing material capable of resisting 100kN/m<sup>2</sup> bearing pressure.

Half Blocks (800 l x 800 h x 800 w Quikbloc & 700 l x 700 h x 700 w Quikbloc) can be used at the end of the rows to allow overlapping of joints. The above table will not apply when using half blocks in isolation