



## PRODUCT INFORMATION

### DESCRIPTION:

Traditional hand moulded clay bricks to BS EN 771-1 2003. All specials to BS 4729 2005.

### STRUCTURE:

Solid with frogs to standard facing bricks – Pavers solid without frogs.

### APPEARANCE:

Genuine hand moulded texture on both the stretcher and header faces.

### SIZE:

Co-ordinating size (mm)			Work Size (mm)		
Length	Width	Height	Length	Width	Height
225	112.5	75	215	102.5	65
225	112.5	60	215	102.5	50

Dimensional deviations: As BS EN 771-1 2003. Non standard and briquette sizes also available, all dimensional tolerances as ref: BS 4729.

### WEIGHTS: (65mm brick)

Weight per pack inc pallet: 1164kgs – Dry weight per brick: 2.75kgs – Number of 65mm bricks per pallet: 416.

### DURABILITY: (BS EN 771-1 2003 classified F2 & S2)

Bricks from Coleford works have been used in situations of extreme exposure over many years without failure. However, we recommend consulting our office when considering the use of our bricks in these conditions.

### TYPICAL BRICK PROPERTIES:

(Test certificates available on request)

Dimensional tolerances:	T1 & R1
Compressive strength:	≥49N/mm <sup>2</sup>
Water absorption:	≤3% (24hr)
Durability:	F2
Liability to efflorescence:	S2
Gross dry density:	1960kg/m <sup>3</sup>
Soluble salts:	≤0.35 Acid soluble sulphate
Thermal conductivity:	0.99w/m <sup>2</sup> k Protected condition (1% moisture)
	1.33w/m <sup>2</sup> k Exposed condition (5% moisture)

### ALLOWANCE FOR MOVEMENT:

We recommend reference to BS 5628 Part 3 1985.

### PACKAGING:

All metric imperial and specials are interleaved with paper and shrink wrapped onto wooden pallets.

### STORAGE:

Once bricks are delivered they should be stored on level ground preferably on pallets. The bricks should be covered with a waterproof sheet to minimise splashing / staining and to ensure product is dry when laid.

### WETTING:

Due to their low porosity Coleford handmade bricks need to be kept dry on site to ensure the best results. Wetting the bricks prior to laying is not necessary.

### COLOUR:

To achieve a uniform colour mixture throughout the building we recommend the use of bricks from at least three packs at the same time as suggested in BS 5628 Part 3 1985.

Colour range available		
Coleford Yellow Cotswold Buff Mixed Gloucester Grey Vauxhall Grey Ironstone Blend Bedford Grey / Brown	Wessex Mixture Saxon Red Multi Mixed Tudor Red Dark Mixed Tudor Red Elizabethan Multi Forest of Dean Multi	Forest Royal Mixed Multi Red Old English Dark Bedford Multi Mixed Burgundy Red Mixed Purple Mixed Antique
A rustic & semi-rustic finish is available in all colours		

### MORTAR:

We suggest 1/0.5/4 or 1/0.5/4.5 (Cement/Lime/Sand). We recommend the information in section 3 clause 23 and 31 of BS 5628 Part 3 1985 to be taken into account before a final decision is made. The mortar colour and joint shape can be left to the client's discretion.

### LAYING:

All handmade bricks should be laid 'frog' up to avoid water collecting in the natural folds of the face and to ensure a consistent appearance. Bricks and brickwork should be protected at all times during construction from rain, splashing, frost and snow. Weather proof protection should be used on site particularly for tops of walls. Partly used and open packs should be covered with polythene or tarpaulins. The weather conditions at the time of laying can effect the quantity of bricks it is possible to lay during a single period.

### CLEANING:

Use a weak solution of cleansing agent (1 part spirits of salts to 10 parts water) where necessary, or proprietary brand of masonry cleaner. Use a stiff bristle brush not a wire brush. Subsequent washing should be done with clean water.

### CUTTING:

It is essential that a wet process is used. The water supply must come direct to the saw blade and not be re-circulated, (this will avoid contaminating the brick face with fine silt).

## HEALTH & SAFETY INFORMATION

### HANDMADE CLAY PRODUCTS:

Information for all users.

Under the COSHH Regulations 2002 all products need to be assessed and their hazardous qualities specified. Coleford Brick & Tile handmade clay products are inert and not considered hazardous to health. However, the following points should be observed by all those working with Coleford clay products.

1. Do not stack packs of bricks more than 2 high at any time.
2. Bricks have an abrasive surface, hand protection may be required to protect the skin.
3. During cutting, drilling & grinding of clay products dust will be given off. Adequate protection needs to be given to prevent dust inhalation. At the same time eye protection must be worn to protect from dust and airborne fragments of clay or cutting disc. We recommend that 'wet cutting' of product should be used whenever possible.
4. The shrink wrapping used to protect the products should not be burnt in the open air, all waste plastic packaging should be disposed of responsibly.

### COMPOSITION:

Coleford clay products are a mixture of natural clay minerals and approximately 50% Crystalline Silica, normally present as a Quartz, with low probability of a very small quantities of Cristobalite (not normally present).

Loose facing material is predominantly Silica sand with very small traces of residual staining material (mainly metallic oxides and some Silicates).

### EXPOSURE CONTROL:

When airborne dust is created.

Occupational Exposure Limits:	8Hr TWA M.E.L	Source
Total Inhalable Dust:	10mg/m <sup>3</sup>	EH40 2005
Respirable Dust:	4mg/m <sup>3</sup>	EH40 2005
Respirable Silica:	0.1mg/m <sup>3</sup>	EH40 2005

### RECOMMENDED FIRST AID:

(Dust & Grit)

**Eye Contact:** Flush with clean water. If irritation persists seek medical attention.

**Inhalation:** Remove to fresh air. Seek medical advice if severe or persistent irritation occurs.

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**Ingestion:** Drink plenty of water. Do not induce vomiting. Non-toxic, should have no lasting effect.

**Skin Contact:** Wash with soap and clean water, should have no lasting effect.

The information contained in this document is accurate at the time of going to press. Always ensure you have the latest edition of this document by contacting Coleford Brick & Tile and quoting the edition code in the top left hand corner.

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