



HEALTH & SAFETY PRODUCT DATA SHEET

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Jan 2006

1. IDENTIFICATION OF PRODUCTS

Fired-clay bricks (including bricks of special shapes & sizes) and pavers.

Application

Fired-clay bricks are designed for use in masonry brickwork walling constructed of bricks bonded and solidly put together with mortar. Fired-clay bricks should be selected having regard to the properties declared in the latest issue of the relevant Product Specification sheet. Fired-clay bricks should be used in accordance with the latest issues of the masonry codes of practice - BS 5628-3 or I.S.325: Part 2.

Fired-clay pavers are designed for use in pavements for pedestrian and vehicular traffic. Fired-clay pavers should be selected having regard to the properties declared in the latest issue of the relevant Product Specification sheet. Fired-clay pavers should be used in accordance with the latest issues of the following standards - BS 7533-2 & BS7533: Part 3.

2. COMPOSITION OF INGREDIENTS

Fired-clay bricks and pavers are manufactured from naturally occurring shale, fireclay or other argillaceous materials with or without sand, fuel or other additives and fired at a sufficiently high temperature to achieve a ceramic bond.

3. HAZARD IDENTIFICATION

- 3.1 Handling of fired-clay bricks and pavers can cause cuts and abrasions. Surface dust could cause minor skin irritations.
- 3.2 Cutting, grinding or similar treatment of fired-clay products will give rise to respirable dust containing free silica. Such dust if inhaled in excessive quantities over extended periods can constitute a long-term health hazard.
- 3.3 Cutting, grinding or similar treatment of fired-clay products can project particles at high velocity with consequent risk of impact injury.
- 3.4 Strengths of strapping, polythene shrink wrapping and pallets under packs are weakened after a period of storage as a result of corrosion of steel, ultraviolet ageing of polythene and decay of timber.
- 3.5 Improper handling of packs of fired-clay products may result in products falling from the pack with a consequent risk of injury.
- 3.6 Steel or Polyester straps around a pack of fired-clay products may spring away from the pack when cut with consequent risk of injury to head, face, hands etc.

4. FIRST AID MEASURES

- 4.1 Cuts, abrasions etc. should be washed with clean water and treated with the normal First Aid method.
- 4.2 If skin is irritated, wash with soap and water and then apply a suitable skin cream.
- 4.3 If dust enters eyes, irrigate with copious amounts of clean water and SEEK MEDICAL ATTENTION.
- 4.4 IN ALL CASES OF DOUBT, MEDICAL ATTENTION SHOULD BE OBTAINED.

5. FIRE FIGHTING MEASURES

Not applicable to fired-clay products.

Burning of polythene wrapping is accompanied by the release of flaming molten droplets, which can spread the fire. Packaging material fires may be extinguished by cooling with water spray, provided the fire is limited to the packaging materials.

6. ACCIDENTAL RELEASE MEASURES - Not applicable to fired-clay products.

7. HANDLING & STORAGE

- 7.1** Fired-clay product packs are either banded with strapping and covered with polythene hoods or only wrapped in polythene.
- 7.2** Packaging is only designed to allow safe delivery of the products to site. If packs are to be moved on site, care must be taken to ensure the integrity of the pack prior to and during moving. Use a container when hoisting packs – on no account should any personnel stand under or near the pack during lifting.
- 7.3** The preferred method of off-loading from vehicles is by mechanical means, ensuring all lifting apparatus and vehicles are capable of lifting the packs and are within their safe working capacities. THE AVERAGE PACK WEIGHT IS APPROXIMATELY 1.25 TONNES. Care should be taken when placing packs into position to avoid banging or dropping the packs. Ormonde delivery vehicles are not permitted to off-load packs onto scaffolds or raised platforms.
- 7.4** Off-load and store packs on hard level surfaces and not on slopes or soft ground.
- 7.5** Ideally, packs should not be stacked. If packs have to be stacked due to limited space available, they should not be stacked more than two high. Packs should not be stack bonded with one directly on top of another. When stacking, the top pack should bridge two supporting packs beneath.
- 7.6** When off-loading by hand, follow safe manual handling lifting procedures.
Do not slide or throw the product.
- 7.7** When placing packs on pallets, ensure the pallet is in good condition and capable of carrying the load. Standard fired-clay bricks weigh approximately 2.5 kg each and the Average Pack Weight is approximately 1.25 tonnes.
- 7.8** Store products in groups of type, colour, etc. to avoid unnecessary moving.
- 7.9** When placing products on scaffolds or raised platforms, ensure that all safety procedures are met and that the scaffolds or platforms can carry the loads.
- 7.10** When removing banding and wrapping around packs, use the appropriate cutting tools and wear eye protection. Before removing banding and wrapping, ensure that the products are safe and will not fall over.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1** Wear suitable protective gloves when handling fired-clay products.
- 8.2** Wear appropriate eye protection when cutting, grinding, drilling etc. fired-clay products.
- 8.3** Wear appropriate dust respirators when cutting, grinding, drilling etc. fired-clay products.
- 8.4** It is recommended that safety helmets and safety footwear be worn when working with fired-clay products.

9. PHYSICAL & CHEMICAL PROPERTIES

Fired-clay bricks and pavers are dense, heavy, hard and abrasive products, which are chemically inert apart from some harmless soluble salts that may appear for a short period on the face of the products. Standard perforated fired-clay bricks weigh approximately 2.5 kg and have a density of approximately 1650 - 1700 kg/m³.

10. STABILITY & REACTIVITY

Fired-clay products are chemically inert and will not react when in contact with any chemical.

11. TOXICOLOGICAL INFORMATION

Fired-clay products will not give off any toxic fumes if subjected to heat or fire. Toxic gases and irritating smoke may form on combustion of polythene wrapping or timber pallets.

12. ECOLOGICAL INFORMATION

Not applicable to fired-clay products.

13. DISPOSAL CONSIDERATIONS

Fired-clay products and their associated polythene, paper, steel, polyester and timber packaging materials should be disposed of in accordance with local waste disposal regulations. Waste fired-clay products can be used as a non-specification construction fill.

14. TRANSPORT INFORMATION

Fired-clay products and their associated packaging materials are not subject to hazardous substance conveyance regulations, therefore vehicle labelling is not required.

15. REGULATORY INFORMATION

Not applicable to fired-clay products.

16. OTHER INFORMATION

None.