



## Beta Concrete Roof Tiles are available in 3 profiles:

1. The Mendip profile forms a gentle flowing pattern that gives instant visual appeal. It combines its exceptional strength and beautiful smooth surface with stunning aesthetics.
2. The Double Roman profile is a modern version of the profile seen on roofs throughout Europe for over 2 000 years and offers all the functional benefits of today's interlocking concrete technology.
3. The Tuscan/ Venetian profile captures the old traditional Italian roofing, but with a much more modern and technologically advanced roof tile that will withstand any weather condition.

Colour profiles include Terracotta, Blue, Green, Red, Black and Brown. Customers also have the option of custom colouring their tiles to suit their needs.

### The Benefits of Concrete Roof Tiles

Tile Type	Measurements	Strength	Weight	Colour Specification
1. Mendip 2. Tuscan 3. Double Roman	Length = 420mm Thickness = 10mm	Wind speed resistance Width = 330mm	Averages between - 125km/hr	Through colour 4.2 and 4.5kg

1. Durability & Strength: Beta concrete roof tiles are manufactured to withstand harsh climatic conditions and environments. Product tests actually show that concrete tiles strengthen with age.
2. Design Flexibility: The three types of profiles, Mendip Double Roman and Tuscan as well as the extensive range of colours mean enhanced flexibility in roof design to complement a wide range of architectural styles and specifications. Our expert product consultants take the hard work out of choosing the right tile, assisting in finding the style and colour that will best complement your home, to create that individual look.
3. Condensation: A tiled roof can "breathe", minimising the need for insulation against the corrosive effects of condensation that can affect other roofing materials.
4. Acoustic Performance: The density of roof tiles helps reduce external sound, allowing you to enjoy the peace and tranquility of your home.
5. Thermal Insulation: Thermal lag in Beta concrete roof tiles means more comfortable living in summer and winter. Relative to other roofing materials concrete tiles have a high mass which helps to even out temperature fluctuations by storing, and then releasing heat energy during the day and night.



## Beta Logistics

Beta Logistics is a dedicated business unit that supports all our transportation needs, from collection and delivery of raw inputs for production to the delivery of our final product to the customer.

Logistics management is that crucial part of the supply chain management that plans, implements, and controls the efficient, effective forward and reverse flow and storage of goods in order to meet customers' requirements. In our bid to make sure that we provide a seamless supply service, we constantly strive to find ways to simplify the process whilst achieving maximum efficiencies.

The unit operates with the following machinery:

- Shrink wrapping facilities
- Fleet Tracking Systems
- Self loading trucks
- Tipper Trucks
- Tractors
- Tankers
- Bell Dumpers
- Modified Bell Loggers (Grabbers)

A team of dedicated and skilled fleet managers, inventory specialists, mechanics and drivers compliment the above equipment to ensure that Beta Logistics is able to handle more cargo, reduce pilferage and breakages.



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# Product Brochure





## Brick Types

Common



Klinker



Hardburn / Load bearing



Driveway



Light Rustic



Wire Brush Light



Coral Light



Industrial Face Light



Rustic dark



Wire Brush Dark



Coral Dark



Industrial Face Light



Blue Heart



Beta Blue Flash



Blue Smooth



Blue Rustic



Plum Smooth



Plum Rustic



## Brick Measurements, Dimensions & Strength

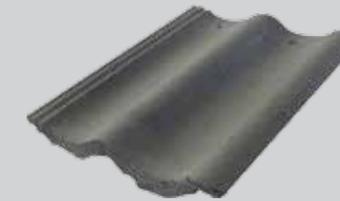
Brick Type	Measurement	Strength	Weight
All	225mm (length) x 108mm (width) x 73mm (Height)		
Common Brick	225mm (length) x 108mm (width) x 73mm (Height)	Individual minimum compressive strength SAZ requirement is 5MPa, average 7 Mpa. Our current average is 19.3MPa after testing.	Averages between 3 and 3.2kgs.
Load Bearing Semi Face Brick	225mm (length) x 108mm (width) x 73mm (Height)	Individual minimum compressive strength SAZ requirement is 12MPa, average 15 Mpa. Our current average is 27MPa after testing.	Averages between 3 and 3.2kgs.
Face Brick	225mm (length) x 108mm (width) x 73mm (Height)	Individual minimum compressive strength SAZ requirement is 12MPa, average 15 Mpa. Our current average is 12.5MPa after testing.	Averages between 3 and 3.2kgs.
Common Brick	225mm (length) x 108mm (width) x 73mm (Height)	Individual minimum compressive strength SAZ requirement is 12MPa, average 21.5 Mpa. Our current	Averages between 2.4 and 2.6kgs.

## The Benefits of Clay Bricks

- The Eternal Choice:** Clay brick originates from the age-old process of uniting the earth, air, fire and water to create a building material that is matchless in strength, durability, versatility and beauty. First produced in the Bronze Age, their appeal has never waned.
- Unmatched Durability:** For centuries, clay bricks have endured the forces of weathering and time. Today, durability is enhanced through modern brick making techniques.
- Long-Term Cost Benefits:** The immense durability and maintenance-free nature of clay bricks, ensures a highly cost effective building material. Clay brick homes are always in demand because of their enduring aesthetic appeal.
- Maintenance-Free:** With face-brick, there is no need for painting. Structural integrity is maintained even when plastered. Clay bricks and pavers thrive on the natural forces of the environment. They do not discolour or deteriorate but only enhance with age.
- Fire Resistance:** Clay brick walls are able to withstand fully developed fires longer than any other standard building material. Home-owners benefit from peace of mind and substantial savings on insurance over time.
- Insulation:** Clay bricks offer maximum insulation against temperature and noise. They resist the transmission of heat, keeping the building cool in summer and warm in winter. The density of clay bricks provide excellent acoustic insulation.
- Ageless Beauty:** the clay brick is a timeless classic available in a wide range of shapes, colours and textures, providing endless creative opportunities for architectural designs.
- Clay Brick Porosity:** The capillary pore system found in clay bricks allows for moisture to be absorbed and then released back into the atmosphere. A clay brick wall that has become damp will therefore dry out as quickly as it becomes moist.



## Roof Tile Types



Mendip



Double roman



Tuscan



Four Way Axle



Three Way Axle



Verge Tile



Tapered Ridge



Half Round Ridge



Hip Starter

