

Klay

A vertical photograph showing a brick wall on the right side, composed of red bricks with dark grey mortar. To the left of the brick wall is a dark grey wall, and further left are green, out-of-focus branches and leaves. The word 'Klay' is written in a white serif font in the upper left corner.

KlayBrick

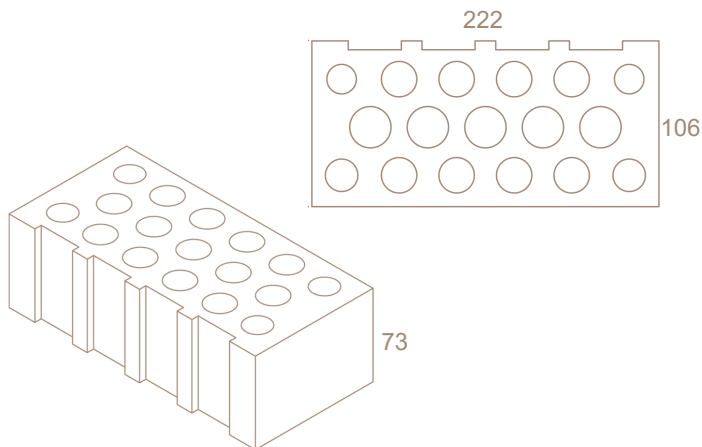
CALL: 021 884 4589
DIRECT SALES LINE: 087 997 1200

Klay

SPECIFICATIONS



CLASS	Imperial NFP R1NF
COVERAGE	52/m ²
DESCRIPTION	Clay Cored SANS 227 2.12 "Hollow Masonry Unit" containing cavities constituting in excess of 25% but not exceeding 60%, of the gross volume of the unit
AVE. COMPRESSIVE STRENGTH	7 - 13 MPa
AVE. PRODUCT WEIGHT	2.0 Kg
AVE. WATER ABSORPTION	<15%
AVE. SIZE	222mm x 106mm x 73mm (Length x Width x Height)
EDGE BUILDING CLASS	Cored (with holes) bricks/blocks; cavity larger than 25% is considered cored in edge



BRICK QUANTITIES

FORMAT	Imperial
BRICKS PER M ² Based on single-skin construction with 10mm joints	52
M ² PER 1000 BRICKS	19.23

Advantages of Klay Bricks

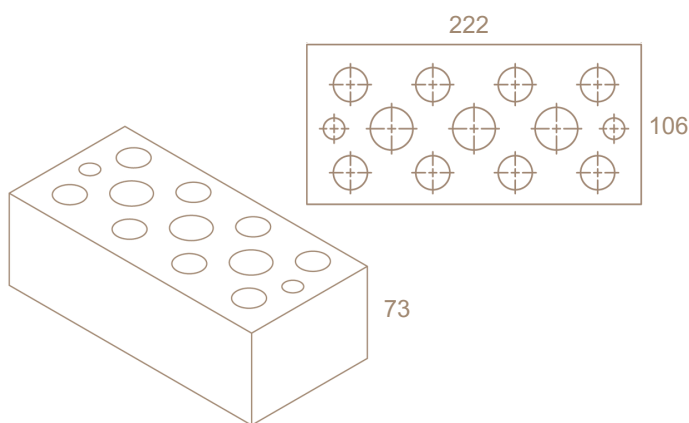
Vertically perforated products offer superior compressive strength and eliminate the need to plug corner voids before plastering, unlike horizontal perforations. Heavy mountings can be securely fixed with rawl bolts, as bricks have fewer large internal voids compared to horizontally perforated ones. The use of robot setting with process control ensures consistent quality and sizing, reduces mortar usage, and simplifies plastering. Additionally, modern mobile rotary kilns utilize a fraction of the embodied energy of traditional clay brick-making technology.

Klay

SPECIFICATIONS



CLASS	NFP Imperial Smooth RSNF
COVERAGE	52/m ²
DESCRIPTION	Clay Cored SANS 227 2.12 "Hollow Masonry Unit" containing cavities constituting in excess of 25% but not exceeding 60%, of the gross volume of the unit
AVE. COMPRESSIVE STRENGTH	7 - 13 MPa
AVE. PRODUCT WEIGHT	2.2 Kg
AVE. WATER ABSORPTION	<15%
AVE. SIZE	222mm x 106mm x 73mm (Length x Width x Height)
EDGE BUILDING CLASS	Cored (with holes) bricks/blocks; cavity larger than 25% is considered cored in edge



BRICK QUANTITIES

FORMAT	Imperial
BRICKS PER M ² Based on single-skin construction with 10mm joints	52
M ² PER 1000 BRICKS	19.23

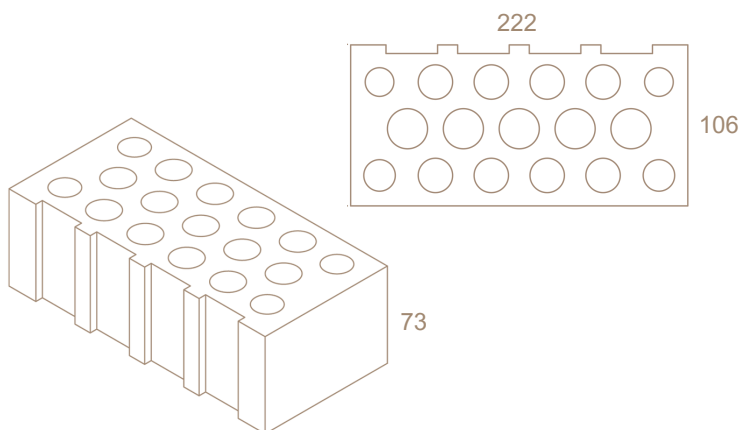
Advantages of Klay Bricks

Vertically perforated products offer superior compressive strength and eliminate the need to plug corner voids before plastering, unlike horizontal perforations. Heavy mountings can be securely fixed with rawl bolts, as bricks have fewer large internal voids compared to horizontally perforated ones. The use of robot setting with process control ensures consistent quality and sizing, reduces mortar usage, and simplifies plastering. Additionally, modern mobile rotary kilns utilize a fraction of the embodied energy of traditional clay brick-making technology.

Klay

SPECIFICATIONS

CLASS	NFX Imperial Solid RXNF
COVERAGE	52/m ²
DESCRIPTION	Clay Solid SANS 227 2.15 "Solid Masonry unit" - A masonry unit either containing no cavities or containing cavities not exceeding 25% of the gross volume of the unit
AVE. COMPRESSIVE STRENGTH	>30 MPa
AVE. PRODUCT WEIGHT	2.2 Kg
AVE. WATER ABSORPTION	<10%
AVE. SIZE	222mm x 106mm x 73mm (Length x Width x Height)



BRICK QUANTITIES

FORMAT	Imperial
BRICKS PER M ² Based on single-skin construction with 10mm joints	52
M ² PER 1000 BRICKS	19.23

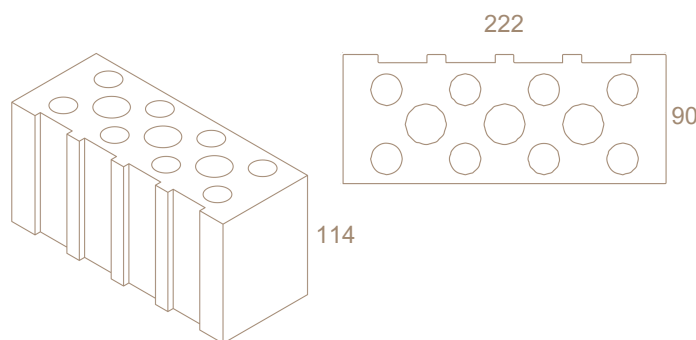
Advantages of Klay Bricks

Vertically perforated products offer superior compressive strength and eliminate the need to plug corner voids before plastering, unlike horizontal perforations. Heavy mountings can be securely fixed with rawl bolts, as bricks have fewer large internal voids compared to horizontally perforated ones. The use of robot setting with process control ensures consistent quality and sizing, reduces mortar usage, and simplifies plastering. Additionally, modern mobile rotary kilns utilize a fraction of the embodied energy of traditional clay brick-making technology.

Klay

SPECIFICATIONS

CLASS	NFP Maxi M1NF
COVERAGE	35/m ²
DESCRIPTION	Clay Cored SANS 227 2.12 "Hollow Masonry Unit" containing cavities constituting in excess of 25% but not exceeding 60%, of the gross volume of the unit
AVE. COMPRESSIVE STRENGTH	7 - 13 MPa
AVE. PRODUCT WEIGHT	2.8 Kg
AVE. WATER ABSORPTION	<15%
AVE. SIZE	222mm x 114mm x 90mm (Length x Width x Height)
EDGE BUILDING CLASS	Cored (with holes) bricks/blocks; cavity larger than 25% is considered cored in edge



BRICK QUANTITIES

FORMAT	Maxi
BRICKS PER M ² Based on single-skin construction with 10mm joints	35
M ² PER 1000 BRICKS	29.4

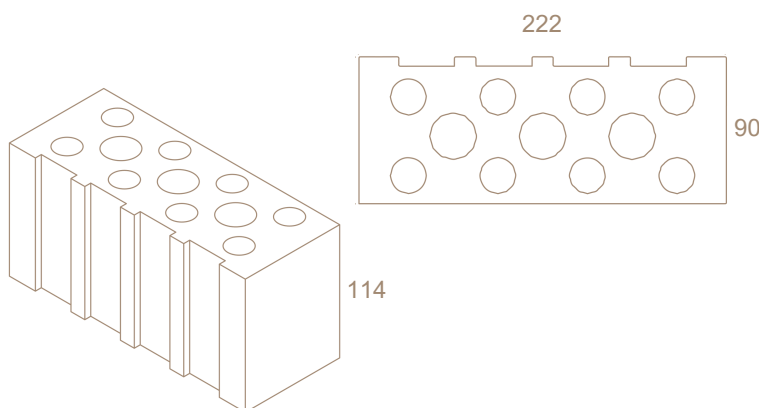
Advantages of Klay Bricks

Vertically perforated products offer superior compressive strength and eliminate the need to plug corner voids before plastering, unlike horizontal perforations. Heavy mountings and safes can be securely fixed with rawl bolts, as bricks have fewer large internal voids compared to horizontally perforated ones. The use of robot setting with process control ensures consistent quality, reduces mortar usage, and simplifies plastering. Additionally, modern mobile rotary kilns, which utilize embodied energy and feature desulfurization scrubbers, effectively remove harmful emissions.

Klay

SPECIFICATIONS

CLASS	NFX Maxi Solid MXNF
COVERAGE	35/m ²
DESCRIPTION	Clay Solid SANS 227 2.15 "Solid Masonry unit" - A masonry unit either containing no cavities or containing cavities not exceeding 25% of the gross volume of the unit
AVE. COMPRESSIVE STRENGTH	>16 MPa
AVE. PRODUCT WEIGHT	3.2 Kg
AVE. WATER ABSORPTION	<11%
AVE. SIZE	222mm x 90mm x 114mm (Length x Width x Height)



BRICK QUANTITIES

FORMAT	Maxi
BRICKS PER M ² Based on single-skin construction with 10mm joints	35
M ² PER 1000 BRICKS	29.4

Advantages of Klay Bricks

Vertically perforated products offer superior compressive strength and eliminate the need to plug corner voids before plastering, unlike horizontal perforations. Heavy mountings and safes can be securely fixed with rawl bolts, as bricks have fewer large internal voids compared to horizontally perforated ones. The use of robot setting with process control ensures consistent quality, reduces mortar usage, and simplifies plastering. Additionally, modern mobile rotary kilns, which utilize embodied energy and feature desulfurization scrubbers, effectively remove harmful emissions.

Klay

SPECIFICATIONS

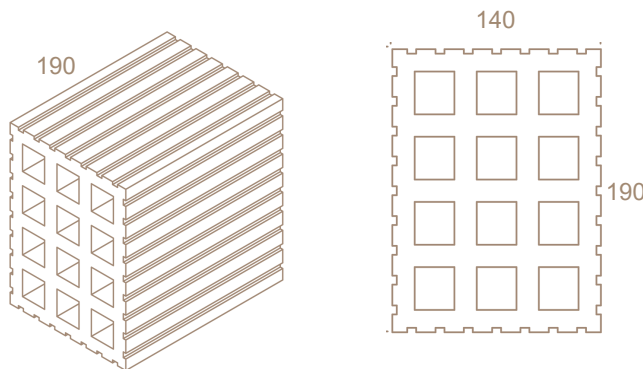
CLASS	NFP Clay Block B140
COVERAGE	25/m ²
DESCRIPTION	Clay 12 Core perforated block

AVE. COMPRESSIVE STRENGTH	9 MPA horizontal 20 MPA vertical
---------------------------	-------------------------------------

AVE. PRODUCT WEIGHT	5.5 Kg
---------------------	--------

NO. PER M ² SINGLE SKIN	25
------------------------------------	----

AVE. SIZE	190mm x 140mm x 190mm (Length x Width x Height)
-----------	---



BRICK QUANTITIES

FORMAT	Clay Block
--------	------------

BRICKS PER M ²	25
Based on single-skin construction with 10mm joints	

M ² PER 100 BRICKS	4
-------------------------------	---

Advantages of Klay Blocks

These blocks offer superior compressive strength compared to cement blocks and can be laid either vertically or horizontally. Their low water absorption (around 10%) results in reduced horizontal movement and less cracking. They are lighter with low porosity, which leads to reduced reversible moisture movement. The use of robot setting with process control ensures consistent quality and sizing, reduces mortar usage, and simplifies plastering. Additionally, modern mobile rotary kilns utilize a fraction of the embodied energy of traditional clay brick-making technology.

Clay Block 140mm

Klay

SPECIFICATIONS

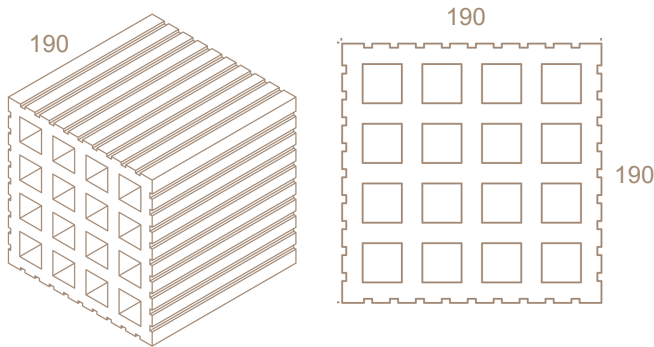
CLASS	NFP Clay Block B190
COVERAGE	25/m ²
DESCRIPTION	Clay 16 Core perforated block

AVE. COMPRESSIVE STRENGTH	9 MPA horizontal 20 MPA vertical
---------------------------	-------------------------------------

AVE. PRODUCT WEIGHT	7.7 Kg
---------------------	--------

NO. PER M ² SINGLE SKIN	25
------------------------------------	----

AVE. SIZE	190mm x 190mm x 190mm (Length x Width x Height)
-----------	---



BRICK QUANTITIES

FORMAT	Clay Block
--------	------------

BRICKS PER M ²	25
Based on single-skin construction with 10mm joints	

M ² PER 100 BRICKS	4
-------------------------------	---

Advantages of Klay Blocks

These blocks offer superior compressive strength compared to cement blocks and can be laid either vertically or horizontally. Their low water absorption (around 10%) results in reduced horizontal movement and less cracking. They are lighter with low porosity, which leads to reduced reversible moisture movement. The use of robot setting with process control ensures consistent quality and sizing, reduces mortar usage, and simplifies plastering. Additionally, modern mobile rotary kilns utilize a fraction of the embodied energy of traditional clay brick-making technology.

Clay Block 190mm

Klay

Kalahari Red Paver 50mm

SPECIFICATIONS

CLASS PB | P1

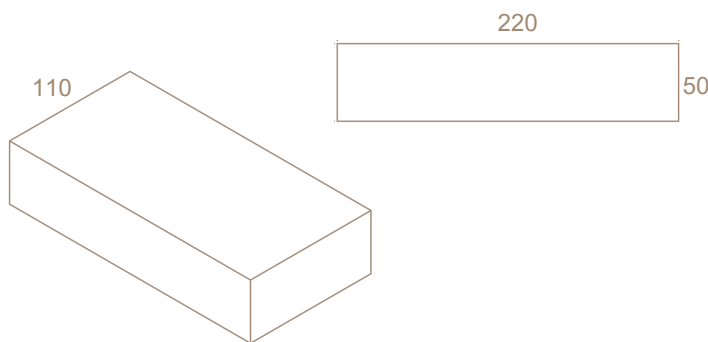
COVERAGE 42/m²

DESCRIPTION Kalahari Red 50mm Paver

AVE. COMPRESSIVE STRENGTH 40 MPA

AVE. PRODUCT WEIGHT 2.53 Kg

AVE. SIZE 220mm x 110mm x 50mm (Length x Width x Height)



BRICK QUANTITIES

FORMAT Clay Paver

PAVERS PER M² 42

M² PER 1000 23.80

Advantages of Klay Pavers




Naturally fired clay pavers offer enduring colors without added pigments, ensuring they don't fade under UV exposure. Their durability and low water absorption make them resistant to moss and algae, requiring minimal maintenance. Unlike concrete, clay pavers retain their charm over time, offering timeless style. Eco-friendly and sustainable, these pavers are made from natural materials and can be reused. With a larger unit size (42 units per m² vs. the standard 50), they cover more area with lower laying costs.

Klay

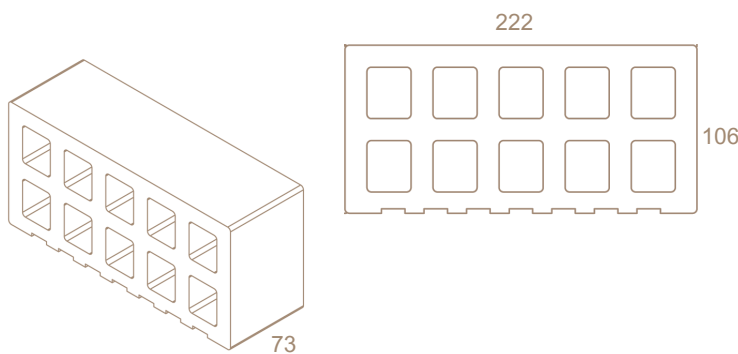
Satin FBS

SPECIFICATIONS



CLASS	FBS222S
COVERAGE	52/m ²
DESCRIPTION	Clay FBS Satin Imperial FBS - Clay bricks that are selected or produced for their durability and uniformity of size and shape
TEXTURE	Satin
AVE. COMPRESSIVE STRENGTH	>20 MPa
AVE. PRODUCT WEIGHT	2.4 Kg
AVE. WATER ABSORPTION	<7%
AVE. SIZE	222mm x 106mm x 73mm (Length x Width x Height)
COLOURS	 Chai  Espresso  Latte

EDGE BUILDING CLASS Cored (with holes) bricks/blocks; cavity larger than 25% is considered cored in edge



BRICK QUANTITIES

FORMAT	Imperial
BRICKS PER M ²	52
Based on single-skin construction with 10mm joints	
M ² PER 1000 BRICKS	19.23

Advantages of Klay Bricks



Clay face bricks offer numerous advantages in construction. Their satin-smooth finish, paired with the natural beauty of clay, enhances a building's aesthetic appeal. Additionally, their long life cycle ensures durability and reduces maintenance costs, making them a highly cost-effective choice. When combined with proper facebrick blending techniques, these bricks create a visually seamless and harmonious facade, further elevating the architectural design.

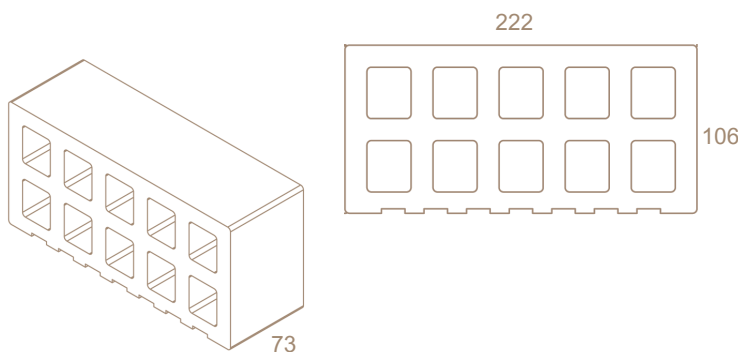
Klay

FBA Smooth

SPECIFICATIONS



CLASS	FBA222S
COVERAGE	52/m ²
DESCRIPTION	Clay FBA Smooth Imperial FBA Clay bricks that are selected or produced for their durability and aesthetic effect deriving from non-uniformity of size, shape, or colour
TEXTURE	Smooth
AVE. COMPRESSIVE STRENGTH	>20 MPa
AVE. PRODUCT WEIGHT	2.4 Kg
AVE. WATER ABSORPTION	<7%
AVE. SIZE	222mm x 106mm x 73mm (Length x Width x Height)
COLOURS	 Chai  Latte
EDGE BUILDING CLASS	Cored (with holes) bricks/blocks; cavity larger than 25% is considered cored in edge



BRICK QUANTITIES

FORMAT	Imperial
BRICKS PER M ²	52
Based on single-skin construction with 10mm joints	
M ² PER 1000 BRICKS	19.23

Advantages of Klay Bricks




Clay face bricks offer numerous advantages in construction. Their smooth finish, paired with the natural beauty of clay, enhances a building's aesthetic appeal. Additionally, their long life cycle ensures durability and reduces maintenance costs, making them a highly cost-effective choice. When combined with proper facebrick blending techniques, these bricks create a visually seamless and harmonious facade, further elevating the architectural design.

Klay

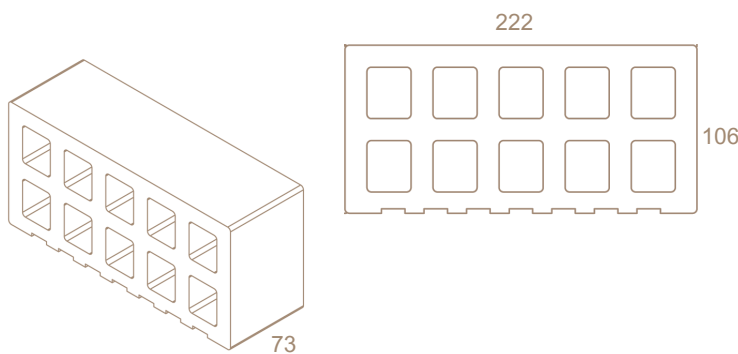
Travertine FBS

SPECIFICATIONS



CLASS	FBS222T
COVERAGE	52/m ²
DESCRIPTION	Clay FBS Travertine Imperial FBS - Clay bricks that are selected or produced for their durability and uniformity of size and shape
TEXTURE	Travertine
AVE. COMPRESSIVE STRENGTH	>20 MPa
AVE. PRODUCT WEIGHT	2.4 Kg
AVE. WATER ABSORPTION	<7%
AVE. SIZE	222mm x 106mm x 73mm (Length x Width x Height)
COLOURS	 Chai  Espresso  Latte

EDGE BUILDING CLASS Cored (with holes) bricks/blocks; cavity larger than 25% is considered cored in edge



BRICK QUANTITIES

FORMAT	Imperial
BRICKS PER M ²	52
Based on single-skin construction with 10mm joints	
M ² PER 1000 BRICKS	19.23

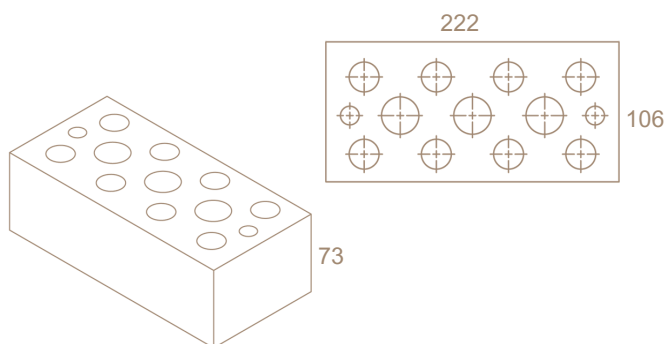
Advantages of Klay Bricks

Clay face bricks offer numerous advantages in construction. Their travertine finish, paired with the natural beauty of clay, enhances a building's aesthetic appeal. Additionally, their long life cycle ensures durability and reduces maintenance costs, making them a highly cost-effective choice. When combined with proper facebrick blending techniques, these bricks create a visually seamless and harmonious facade, further elevating the architectural design.

Klay

SPECIFICATIONS

CLASS	R1FBAT
COVERAGE	52/m ²
DESCRIPTION	Clay vertically perforated travertine FBA. FBA - Clay bricks that are selected or produced for their durability and aesthetic effect deriving from non-uniformity of size, shape, or colour
TEXTURE	Travertine
AVE. COMPRESSIVE STRENGTH	>14 MPa
AVE. PRODUCT WEIGHT	2.2 Kg
AVE. WATER ABSORPTION	<9%
AVE. SIZE	222mm x 106mm x 73mm (Length x Width x Height)



BRICK QUANTITIES

FORMAT	Imperial
BRICKS PER M ²	52
M ² PER 1000 BRICKS	19.23

Advantages of Klay Bricks

Clay face bricks offer numerous advantages in construction. Their travertine finish in natural clay enhances a building's aesthetic appeal, while their long life cycle ensures durability and reduces maintenance costs, making them a cost-effective choice.

Vertically perforated designs provide superior compressive strength, contributing to structural robustness.

The manufacturing process, which includes robotic setting and process control, ensures consistent quality and minimizes mortar usage.