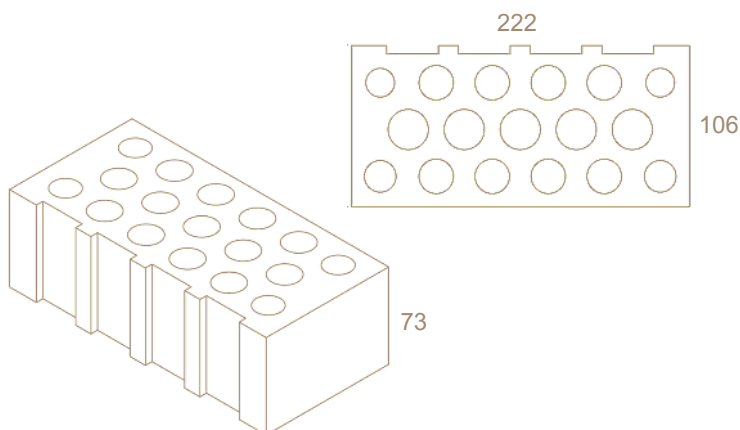


## Klay

## SPECIFICATIONS

|                           |                                                                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CLASS                     | NFX Imperial Solid   RXNF                                                                                                                                             |
| COVERAGE                  | 52/m <sup>2</sup>                                                                                                                                                     |
| 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 <sup>2</sup><br>Based on single-skin<br>construction with<br>10mm joints | 52       |
| M <sup>2</sup> PER 1000<br>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.