



As Strong As Your **Vision**

ABEL CLAY
Build on our Strengths



The Better Block . . .

ABEL Clay . . . *the better block*

Since the dawn of construction, clay has been one of the earliest natural building materials available.

This wonder material is truly one of the oldest and more sustainable building materials on Earth, with over 50% of the global population living or working in buildings made with clay. In Trinidad and Tobago, clay has been used from humble dwellings built during colonial rule, to mega construction projects visible today. At the heart of the transformation of this inert, natural material, into homes, schools, communities, national, and commercial buildings, is ABEL Clay.

ABEL Clay offers a *better block*, a superior block as compared to alternative building materials. In addition to clay's natural properties, which make it stronger than other building materials, ABEL Clay's new factory, TK4, the most technologically advanced clay facility in the Western hemisphere, enables a quality manufacturing process. TK4 has the capacity to manufacture and supply the region with the full range of structural clay blocks in different sizes. This is an exciting era in construction as the use of clay blocks provide social, economic, labour and time saving advantages to all.

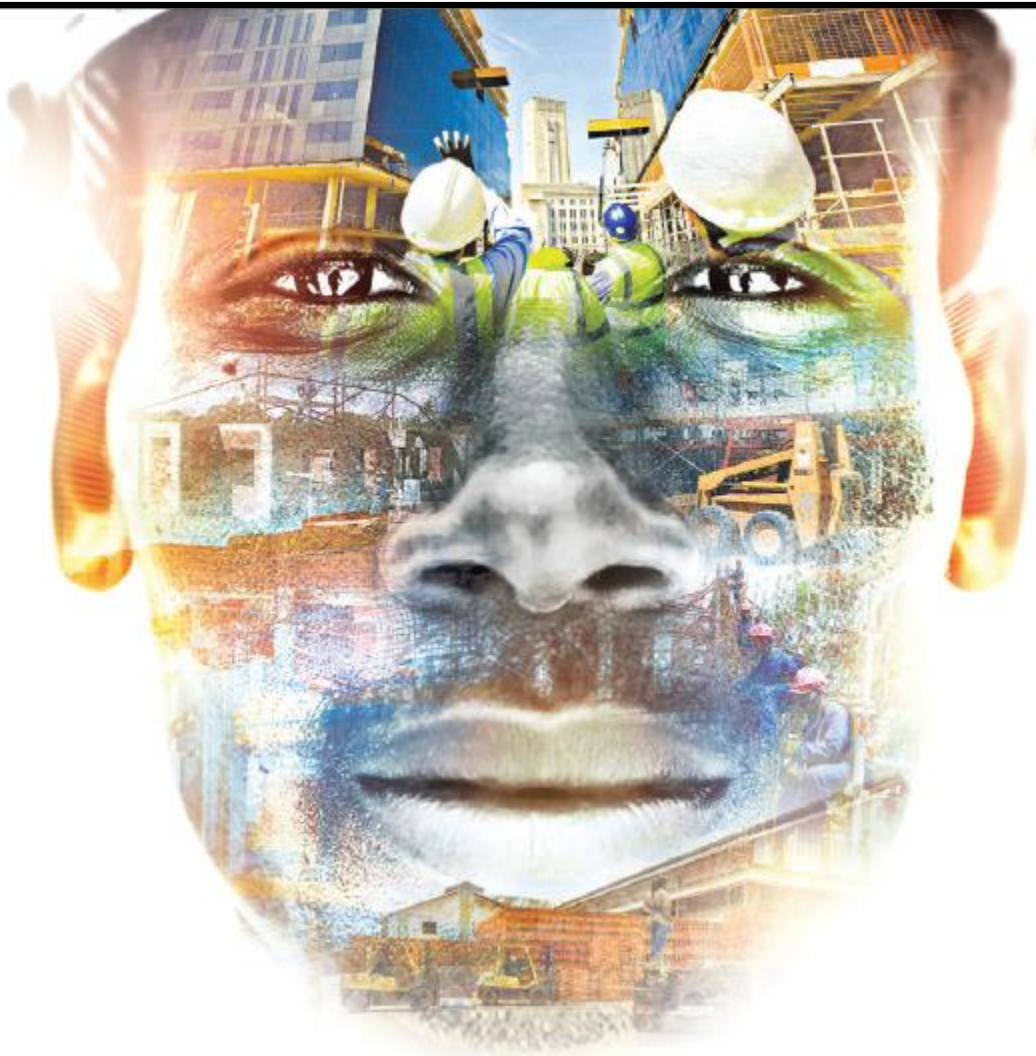
When you choose to build with clay, you make a decision to build green!

The process of manufacturing clay products generates the least amount of carbon emissions, when compared to steel and cement based building materials. With their outstanding thermal insulating properties and ability to store heat for long periods, clay blocks create a pleasant ambience and room climate. A house built of clay blocks is always comfortably cool.

ABEL Clay blocks are manufactured to meet the new building codes for construction in Trinidad and Tobago, and with ABEL you are choosing a construction system that is not only economical in every respect, but also offers maximum quality and value retention.

ABEL Clay blocks are the better, stronger blocks.





CLASSIC



Horizontal Core Clay Block

used for interior and exterior walls.

Size: 90mm x 199mm x 300mm

Weight (kg): 4.5

HERCULES



4" Massive Vertical Core Block used for exterior walls and wall corners (load bearing).

Size: 90mm x 190mm x 390mm

Weight (kg): 7.22

COLOSSUS

6" Vertical Core Clay Block used for foundations and load bearing applications.

Size: 140mm x 190mm x 390mm

Weight (kg): 8.93



ATLAS

Horizontal Half Block used for wall ends.

Size: 90mm x 199mm x 150mm

Weight (kg): 2.55



FOUNDATION THAT LASTS A LIFETIME

A natural, inert material, clay foundations will not deteriorate over time due to acids and alkaline in the surroundings and saltwater. Clay blocks have a greater life span than similar building products, as concrete disintegrates in the presence of constant dampness or moisture. ABEL Clay vertical core blocks are excellent for foundations, retaining walls, columns and load bearing walls, piers and pilasters.

REDUCTION IN LABOUR COST

ABEL Clay provides builders and contractors with the confidence to work with materials that have proven significantly lighter than concrete. The average cost for construction using clay blocks, is significantly lower than alternative materials. It is the choice of the consumer who wants value for money without sacrificing beauty, quality or performance.

REDUCED DOWNTIME

Clay absorbs less water and dries faster, so there is less downtime during construction.

STRENGTH YOU CAN TRUST

As far back as the Roman Empire, clay has been chosen for its strength and durability. Clay does not need painting to preserve surfaces like other building materials. It has a significantly longer life span than alternative materials. Hollow Clay Blocks are fired at temperatures over 2,000F. This process renders each block entirely inert and, therefore, there is little risk of warping, shrinkage or disintegration of the finished product. Additionally, although lightweight, ABEL Clay blocks possess more than enough strength to meet the new building requirements and codes.

THERMAL RESISTANCE

Hollow clay blocks are more resistant to higher temperatures and provide far better thermal insulation than any other comparable material. As much as 70% advantage in thermal resistivity when compared to concrete blocks (IEEE442 and ASTM 5334 tests).

FIRE RESISTANCE

Clay is non-combustible and as such cannot contribute to the start or rapid spread of fires, nor can it add fuel to make a fire more intense. Tests have proven that clay walls obtain maximum fire ratings, which means that they can withstand fully developed fires longer than any other standard building material.

SOUND RESISTANCE

Since hollow Clay Block walls and partitions are lightweight and honeycombed with cells, they are highly resistant to the transmission of sound, since the trapped "dead" air inside the block is not a good sound transmission medium.