

## LESS WATER ABSORPTION

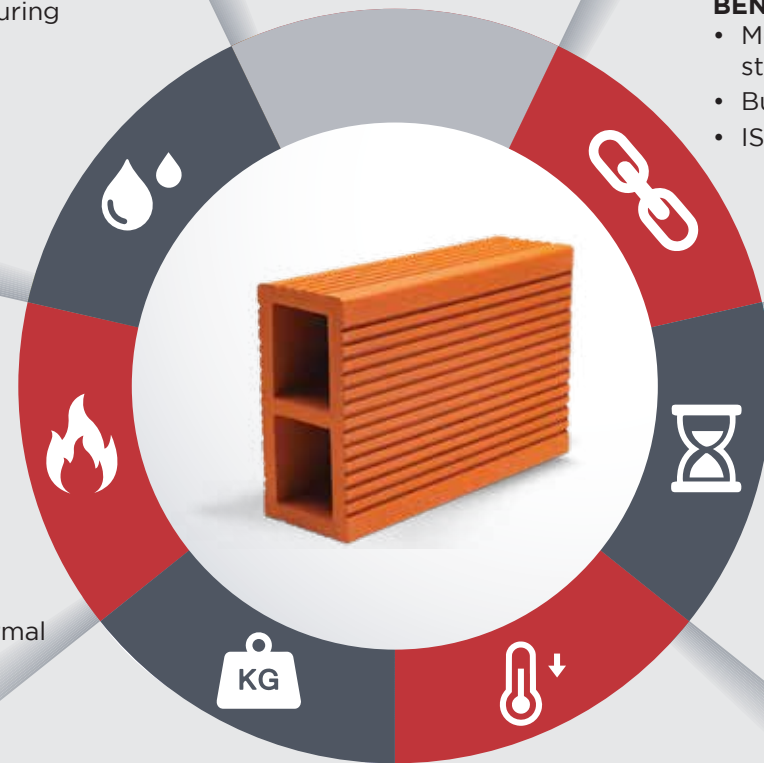
### ADVANTAGES

- Dries faster
- Less downtime during construction

### BENEFITS

- Cost savings on masonry work

## WHY USE ABEL CLAY BLOCKS?



## STRONGER

### ADVANTAGES

- Up to 60% higher compressive strength

### BENEFITS

- Meets building codes and ASTM standards
- Buildings stand the test of time
- ISO 9001:2015 10010654

## LONGER LASTING

### ADVANTAGES

- Will not deteriorate due to alkalis, acids and salts

### BENEFITS

- Buildings stand up better to the elements

## FIRE RESISTANT

### ADVANTAGES

- Withstands fires longer than any other standard material

### BENEFITS

- Clay has 70% higher thermal resistivity than concrete

## LIGHTER

### ADVANTAGES

- Easier to handle and transport
- 44% more blocks per pallet
- Less weight on the foundation

### BENEFITS

- Cost savings on labour, as walls are built faster
- Cost savings on shipping fees, as more blocks can be moved at once
- Buildings are more earthquake resistant

## LARGER CORES

### ADVANTAGES

- Keeps building cooler
- Reduces sound transmission

### BENEFITS

- Stronger structural integrity
- Reduces building cooling costs



THE  
**B**ETTER  
BUILDING  
BLOCKS



Together, we are  
*Family*



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**BUILD ON OUR STRENGTHS**

# ABEL CLAY

## THE SMARTER CHOICE...

For decades, masons, builders, contractors and engineers from across the region have chosen ABEL Clay blocks as their preferred building material. With natural properties that make them stronger and more resilient than other construction systems, ABEL Clay blocks provide significant economic benefits while offering maximum quality and durability.

### CLASSIC

HORIZONTAL CORE BLOCK



**NOMINAL DIMENSION**  
4" X 8" X 12"

**ACTUAL DIMENSION**  
90MM X 199MM X 300MM

**WEIGHT**  
4.6 ± 0.2 KG  
10.14 ± 0.44 LBS

### HERCULES

STRUCTURAL VERTICAL  
CORE CLAY BLOCK



**NOMINAL DIMENSION**  
4" X 8" X 16"

**ACTUAL DIMENSION**  
90MM X 190MM X 390MM

**WEIGHT**  
6.2 ± 0.2 KG  
13.67 ± 0.44 LBS

### COLOSSUS

STRUCTURAL VERTICAL  
CORE CLAY BLOCK



**NOMINAL DIMENSION**  
6" X 8" X 16"

**ACTUAL DIMENSION**  
140MM X 190MM X 390MM

**WEIGHT**  
9.2 ± 0.2 KG  
20.28 ± 0.44 LBS

BUILDER'S  
TIP

*The perfect block for upper  
levels and internal walls.*

*Designed for load-bearing  
perimeter walls and used  
extensively with  
reinforced steel and  
concrete for corners.*

*Ideal for load-bearing  
applications such as building  
and foundations and  
external perimeter walls.*

# ABEL CLAY

## THE STRONGER CHOICE...



CLAY  
VS  
CONCRETE



#### COMPRESSIVE STRENGTH TEST

120 100 80 60 40 20 0

24.7

19.7

22.7

16.3

CLAY  
4" BLOCK

CONCRETE  
4" BLOCK

CLAY  
6" BLOCK

CONCRETE  
6" BLOCK

#### WATER ABSORPTION TEST

0 20 40 60 80 100 120

9.7

108.0

10.0

111.0

Compressive Strength (N/mm<sup>2</sup>)

Water Absorption (kg/m<sup>3</sup>)

## Why should builders use a block with higher compressive strength and lower water absorption?

Compressive strength (N/mm<sup>2</sup>) is the block's ability to withstand the force of being pushed together; the higher the value, the stronger the block. Water absorption (kg/m<sup>3</sup>) is the block's ability to retain moisture; the lower the value, the less it absorbs and the faster the block dries.

In both 4" and 6" blocks, clay exhibits a higher compressive strength and a significantly lower water absorption capacity than concrete. It is the all-round smarter, stronger building choice.

"As a contractor, I prefer to use ABEL Clay blocks because they are more cost effective, of a better quality and last longer than concrete."

**Javan Lewis - Contractor**  
J. Lewis Construction Co. Ltd.

