

## PRODUCT DATASHEET

# 9" Hollow Concrete Block

## Single Density

Top quality product conforming to EN 771-3:2003. This block was designed to bear heavy loads. The 9" single density block is typically used for foundations, external walls, retaining walls and in other high load bearing situations.



## PRODUCT SPECIFICATIONS

### AVAILABLE SIZES (mm)

Length	Height	Width
450	255	220

### PRODUCED FOLLOWING EN 771-3:2003

### BENEFITS

- Top quality product conforming to EN 771-3:2003
- Designed to bear heavy loads
- Typically used for foundations, external walls, retaining walls and in other high load bearing situations when infilled with concrete and reinforced.
- Adopts a tongue and groove system for improved bond strength

## METHOD OF BEDDING

- Hollow Blocks should be laid on a shell bed of mortar.
- Any excess mortar should be removed immediately and reused.
- It is common practice to displace blocks by  $\frac{1}{2}$  a block length alternating between one course and another to improve bond.

## DELIVERY AND STORAGE

- After unloading, units should be stacked neatly and carefully on a stable, clean and level ground to reduce chipping, breakages and other damages.
- Blocks can be delivered to any location in Malta

## SPECIFICATIONS

Compressive Strength:	6N/mm <sup>2</sup>
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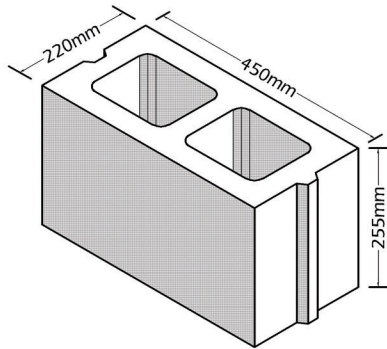
Dimensions (mm):	450	220	255
Approx. Core Dimensions (mm):	158	158	255
Dimensional Tolerances:	+3,-5	+3,-5	+3,-5

Approx. Gross Density:	1212kg/m <sup>3</sup>
Approx. Net Density of Concrete:	2072kg/m <sup>3</sup>
Percentage of holes:	~41.5%
Approx. Dry Weight:	30.6kg
Shear Bond Strength:	0.15N/mm <sup>2</sup>

Reaction to Fire:	Euroclass A1
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Disclaimer: Although the information contained in this datasheet is correct at the time of print, we do not warrant that the information will always be up-to-date.





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## HEALTH AND SAFETY

- Careful planning of working areas beforehand reduces the risks of incidents.
- Use Mechanical Aids whenever possible
- Use personal protective equipment of good quality.
- Units should be loaded above knee height.
- Eye protection should be used when cutting or trimming units.
- Adopt safe working access platforms when working at heights

\*For more details on Health and Safety observe also current Health and Safety legislation

## FAQ's

**Q:** How is the 9" Hollow Single Density Block distinguished from the 9"Hollow Double Density Block?

**A:** They are of the same size externally, however the 9" Hollow Single Density Block is recognisable through its thinner shell.

**Q:** What benefits are achievable by using the 9" Hollow Single Density Block as against the 9" Hollow Double Density Block?

**A:** When using the 9" Hollow Single Density Block infilled with concrete and reinforced, one can achieve higher load-bearing capacities than those achieved by the 9" Hollow Double Density Block; however, in filling the block with concrete reduces its thermal resistance.

**Q:** Can the 9" Hollow Single Density Block be used externally?

**A:** It may be used externally; however, it may not achieve the thermal resistance required for external walls unless it is used in double-leaf wall whereby an enhancement of the thermal properties is achieved through the combined effect of the two leaves.

**Q:** Is there any protection against fire provided by using this product?

**A:** The fact that the product is entirely made of non-combustible material creates a sufficient barrier and retardation against fire.