



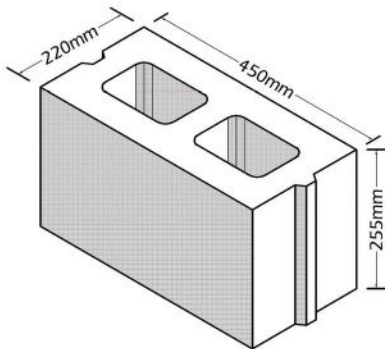
## PRODUCT DATASHEET



# 9" Hollow Concrete Blocks

## Double Density

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



### PRODUCT SPECIFICATIONS

#### AVAILABLE SIZE (mm)

Length	Height	Width
450	255	220

#### PRODUCED FOLLOWING EN 771-3:2003

#### BENEFITS

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

### 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

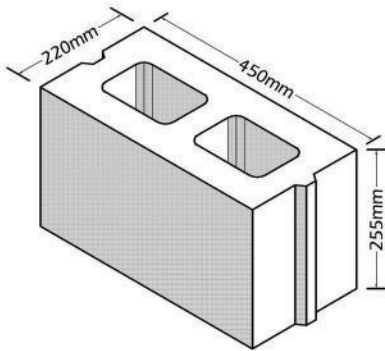
### SPECIFICATIONS

<b>Compressive Strength:</b>	7N/mm <sup>2</sup>		
<b>Dimensions (mm):</b>	450	220	255
<b>Approx. Core Dimensions (mm):</b>	145	100	255
<b>Dimensional Tolerances (mm):</b>	+3,-5	+3,-5	+3,-5

<b>Approx. Gross Density:</b>	1466kg/m <sup>3</sup>
<b>Approx. Net Density of Concrete:</b>	2073g/m <sup>3</sup>
<b>Percentage area of holes:</b>	~29.3%
<b>Approx. Dry Weight:</b>	37kg
<b>Shear Bond Strength:</b>	0.15N/mm <sup>2</sup>
<b>Volume of voids:</b>	0.0077 m <sup>3</sup> /unit

<b>Reaction to Fire:</b>	Euroclass A1(non-combustible)
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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.



## PRODUCT DATASHEET

# 9" Hollow Concrete Block

## Double Density



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

## 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 Double Density Block distinguished from the 9"Hollow Single Density Block?

**A:** They are of the same size externally, however the double density block is recognisable through its thicker shell.

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

**A:** When using the 9" Hollow Double Density Block, higher load-bearing capacities are achieved against the 9" Hollow Single Density Block.

**Q:** Can the 9" Hollow Double 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 provide good fire protection and retardation against fire.