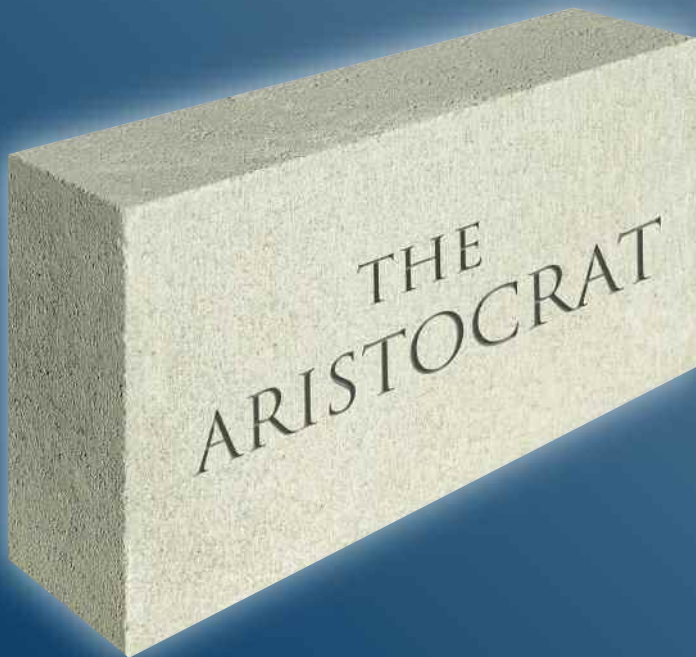


# ARISTOCRAT

## The Original Air Leakage Control Block

Certified by BISRA since 2000



## ARISTOCRAT

WALLING

- Certified Air Leakage results
- Tight textured for a finer finish
- Specifically designed for energy conservation and sustainability
- Excellent sound insulation
- Fire resistant
- 100% recyclable



**roadstone**

What our nation's built on

# ROADSTONE ARISTOCRAT WALLING

The Roadstone Aristocrat Walling range of blocks are manufactured and supplied by Roadstone Dublin Ltd., under an NSAI registered I.S. EN ISO 9001:2000 quality system.

The use of a specific mix of graded aggregate ensures a tight textured finish ideal for air leakage control and ideal for painting.

Roadstone Aristocrat Walling is manufactured to tight dimensional tolerances, has excellent arrises and complies with I.S. EN 771-3:2003.

In addition, Roadstone Aristocrat Walling has a number of characteristics which make it particularly effective in sustainable buildings.

**AIR LEAKAGE:** Roadstone Aristocrat Walling has been tested on a regular basis by BSIRA and has achieved significantly better results than 3m<sup>3</sup>/hr/m<sup>2</sup> at 50 Pascals required for energy efficient buildings.

Block	Wall width	Air Leakage
215mm cavity block	215mm	0.265 m <sup>3</sup> /hr/m <sup>2</sup>
100mm solid block	100mm	1.33 m <sup>3</sup> /hr/m <sup>2</sup>
100mm solid block	215mm	0.78 m <sup>3</sup> /hr/m <sup>2</sup>

(Block on flat)

It is essential to ensure that all joints are fully filled with mortar. Bucket handle jointing is recommended to achieve maximum air tightness.

**FINISH:** Roadstone Aristocrat Walling is normally built fair faced and because of its excellent tight texture it is particularly suitable for painting. Roadstone Aristocrat blocks should be mixed from a minimum of three pallets and from load to load in order to distribute the normal colour variation and texture of a natural material.

**COVERAGE:** 450 x 225mm: 10 blocks per m<sup>2</sup>

**MANUFACTURED TO:** I.S. EN 771-3:2003.

**THICKNESS OPTIONS:** 100mm / 140mm / 215mm

**STANDARD SPECIALS:** Quoins, Cavity, Closers, Lintels, Bond Beams.

The full Forticrete range of shapes and sizes can be made to order in Aristocrat specification. Please refer to the Forticrete Units, Weights & Dimensions brochure for details. Aristocrat is only available in natural colour.

**COMPRESSIVE STRENGTH AVAILABLE:**

D1	5N/mm <sup>2</sup> and 10N/mm <sup>2</sup>
F3	5N/mm <sup>2</sup> and 10N/mm <sup>2</sup>
H3	5N/mm <sup>2</sup> and 10N/mm <sup>2</sup>

**SOUND INSULATION (dB reduction):**

When tested to ISO 140-3:1995 under laboratory conditions Aristocrat Walling gave the following dB ratings.

215mm Aristocrat cavity block	46dB
100mm Aristocrat solid block	46dB

**FIRE RESISTANCE:** "Eurocode 6 – Design of Masonry Structures – Part 1-2: General Rules – Structural Fire Design" gives determination of fire resistance of concrete block walls.

Tables N.B3.1 to table N.B3.6 of annex A give the fire resistance classifications of dense and lightweight aggregate concrete units conforming to I.S. EN 771-3:2003.

**THERMAL PROPERTIES:**

Thermal resistance "R" value of 100mm Solid Block = 0.075 W/mK  
Thermal resistance "R" value of 215mm Cavity Block = 0.210 W/mK

## 450 RANGE

100mm							
SOLID	HALF BLOCK	HALF QUOIN	FULL QUOIN	CAVITY CLOSERS	HALF CAVITY CLOSERS		
D1	D12	D15	D16	D17	D18		
<p>● CUT TO SUIT CAVITY WIDTH OR 215mm max.      ▨ HATCHING INDICATES CUT FACE.</p>							
100mm				65mm			
CORNER	HOLLOW	FILLER	SOAP BAR	SOAP BAR	SOLID		
D23	D3	65mm Filler	140mm Soap Bar	100mm Soap Bar	65mm Solid		
140mm			215mm				
SOLID			FULL LINTEL	HALF LINTEL	HALF BLOCK	BOND BEAM	
H1	H3	H10	F3	F28	F14	F10	F22