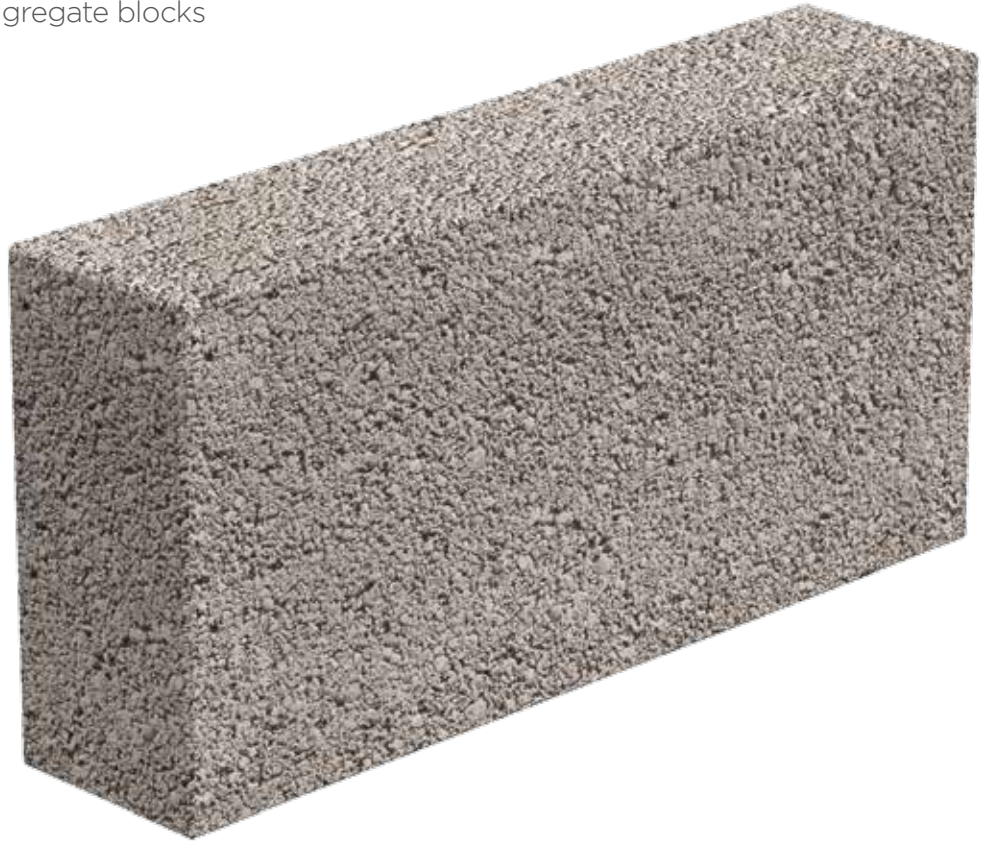


# ***TOPCRETE***

## *STANDARD*

Robust, durable, dense aggregate blocks



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## STANDARD

Suitable for use  
in walls above and  
below ground

Robust, durable, dense aggregate blocks

*TOPCRETE is a range of dense aggregate blocks available in a variety of formats and suited to a number of high loadbearing applications. TOPCRETE dense aggregate blocks are suitable for use in walls above and below ground and in block and beam floors. They have a proven high level of technical performance. TOPCRETE blocks are also available in hollow and multicore formats.*

### ROBUST AND DURABLE

Suitable for use in all types of buildings.

### EXCELLENT ACOUSTIC PERFORMANCE

Topcrete can be used in dense aggregate Robust Detail separating walls and will easily meet the Building Regulations.

Approved Document E requires that certain internal walls in dwellings meet a performance standard of 40R<sub>w</sub> (dB). Sound reduction values for single leaf walls are given in the following tables.

### RANGE OF STRENGTHS

A range of options available for a wide range of specifications.

### EASY TO DECORATE

Ideal background for drylining, plaster, rendering and fixings.

### FIRE

All Topcrete products conform to a fire rating of Class A1 to BS EN 13501. Typical fire resistance values are shown below and based on the UK National Annex to Eurocode 6 (BS EN 1996-1-2).

## TECHNICAL PROPERTIES

PRODUCT	COMPRESSIVE STRENGTH N/mm <sup>2</sup> (1)	BLOCK THICKNESS mm	FACE SIZES, mm LENGTH X HEIGHT	THERMAL CONDUCTIVITY $\lambda$ (W/mK)		DRY DENSITY kg/m <sup>3</sup>	SULPHATE SOIL CONDITIONS	MOISTURE MOVEMENT mm/m	COURSING BRICK THICKNESS AVAILABLE mm	BLOCK WIDTH POTENTIALLY >20kg
				INT	EXT					
TOPCRETE STANDARD SOLID	7.3	100, 140	440 x 215	1.07	1.16	1950	DS1, DS2, DS3	<0.50	100, 140	140
	10.4	100, 140	440 x 215	1.07	1.16	1950	DS1, DS2, DS3	<0.50	100, 140	140
	17.5	100, 140	440 x 215	1.07	1.16	1950	DS1, DS2, DS3	<0.50	-	140
	22.5	100, 140	440 x 215	1.07	1.16	1950	DS1, DS2, DS3	<0.50	100, 140	140
TOPCRETE STANDARD SOLID MIDI	7.3, 10.4	140	290 X 215	1.07	1.16	1950	DS1, DS2, DS3	<0.50	140	-
	17.5, 22.5	140	290 X 215	1.07	1.16	1950	DS1, DS2, DS3	<0.50	140	-
TOPCRETE STANDARD MULTICORE	7.3*	140	440 x 215	0.70	0.73	1950	-	<0.50	-	-
TOPCRETE STANDARD HOLLOW	3.6	215	440 x 215	0.84	0.89	1950	-	<0.50	-	215
	7.3	140	440 x 215	0.84	0.89	1950	DS1, DS2, DS3	<0.50	-	215
	7.3	215	440 x 215	0.68	0.70	1950	DS1, DS2, DS3	<0.50	-	-

\*Denotes a made to order product. Please note availability may be dependent on order quantity and delivery location.

(1) Manufactured to Category 2 manufacturing control.

## SIZES AND WEIGHTS

TOPCRETE STANDARD SOLID (7.3, 10.4, 17.5, & 22.5 N/mm <sup>2</sup> )			
Block Width (mm)	100	140	215
Unit weight (kg)	19.0	26.6	-
Laid weight (kg/m <sup>2</sup> )	200	280	-
TOPCRETE STANDARD SOLID MIDI (7.3, 10.4, 17.5 & 22.5 N/mm <sup>2</sup> )			
Block Width (mm)	140	-	-
Unit weight (kg)	17.5	-	-
Laid weight (kg/m <sup>2</sup> )	280	-	-
TOPCRETE STANDARD MULTICORE ( 7.3 N/mm <sup>2</sup> )			
Block Width (mm)	140	-	-
Unit weight (kg)	18.5	-	-
Laid weight (kg/m <sup>2</sup> )	203	-	-
TOPCRETE STANDARD HOLLOW (3.6 & 7.3 N/mm <sup>2</sup> )			
Block Width (mm)	140	-	215
Unit weight (kg)	17.0	-	27.0
Laid weight (kg/m <sup>2</sup> )	182	-	285

## SOUND AND FIRE PROPERTIES

PRODUCT	BLOCK THICKNESS mm	SOUND INSULATION (SINGLE LEAF WALLS), R <sub>w</sub> (dB)		FIRE RESISTANCE (HOURS) BS EN 1996:1-2	
		LIGHTWEIGHT PLASTER (BOTH FACES)	DRY LINING (BOTH FACES)	SINGLE LEAF WALL, NO FINISH	
				NON-LOADBEARING	LOADBEARING
TOPCRETE STANDARD SOLID AND MIDI	100	48	48	4	2
	140	51	51	4	3
TOPCRETE STANDARD CELLULAR MULTICORE	140	48	48	4	3
TOPCRETE STANDARD HOLLOW	140	47	47	4	3
	215	51	52	4	4

## APPLICATIONS

PRODUCT	COMPRESSIVE STRENGTH M/mm <sup>2</sup> (1)	CAVITY INNER LEAF	CAVITY EXTERNAL LEAF	SEPARATING (PARTY) WALL	PARTITIONS	BELOW DPC LEVEL	DIRECT RENDER (2 coat traditional)		BEAM & BLOCK FLOORS
							PARTIAL FILL CAVITY	FULL FILL CAVITY	
TOPCRETE STANDARD SOLID AND MIDI	7.3, 10.4	✓	✓	✓	✓	✓	✓	✓	✓
	17.5, 22.5	✓	✓	✓	✓	✓	✓	✓	✓
TOPCRETE STANDARD MULTICORE	7.3	✓	✓	✗	✓	✓	✓	✓	✗
TOPCRETE STANDARD HOLLOW	3.6 & 7.3	✓	✓	✗	✓	✓ <sup>(2)</sup>	✓	✓	✗

(1) Manufactured to Category 2 manufacturing control. (2) Denotes 7.3 N/mm<sup>2</sup> block strength only.

To find out more about our range of BLOCKS and the best solution for your project call **0345 606 2468**  
Check out our U-value Calculator [www.tarmac.com/u-value-calculator](http://www.tarmac.com/u-value-calculator)

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