

TOPCRETE

STANDARD

Robust, durable, dense aggregate blocks



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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.



Suitable for use
in walls above and
below ground

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_w (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 ² (1)	BLOCK THICKNESS mm	FACE SIZES, mm LENGTH X HEIGHT	THERMAL CONDUCTIVITY λ (W/mK)		DRY DENSITY kg/m ³	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	1.28	1.37	1950	DS1, DS2, DS3	<0.50	100, 140	140
	10.4	100, 140	440 x 215	1.28	1.37	1950	DS1, DS2, DS3	<0.50	100, 140	140
	17.5	100, 140	440 x 215	1.28	1.37	1950	DS1, DS2, DS3	<0.50	-	140
	22.5	100, 140	440 x 215	1.28	1.37	1950	DS1, DS2, DS3	<0.50	100, 140	140
TOPCRETE STANDARD SOLID MIDI	7.3, 10.4	140	290 X 215	1.28	1.37	1950	DS1, DS2, DS3	<0.50	140	-
	17.5, 22.5	140	290 X 215	1.28	1.37	1950	DS1, DS2, DS3	<0.50	140	-
TOPCRETE STANDARD MULTICORE	7.3*	140	440 x 215	0.82		1950	-	<0.50	-	-
TOPCRETE STANDARD HOLLOW	3.6	215	440 x 215	0.98		1950	-	<0.50	-	215
	7.3	215	440 x 215	0.98		1950	DS1, DS2, DS3	<0.50	-	215

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

(1) Manufactured to Category 1 manufacturing control.

SIZES AND WEIGHTS

TOPCRETE STANDARD SOLID (7.3, 10.4, 17.5, & 22.5 N/mm ²)				SOLID	
Block Width (mm)	100	140	190	215	
Unit weight (kg)	18.5	26.0	(1)	-	
Laid weight (kg/m ²)	194	275	(1)	-	
TOPCRETE STANDARD SOLID MIDI (7.3, 10.4, 17.5 & 22.5 N/mm ²)				SOLID MIDI	
Block Width (mm)	140	-	-	-	
Unit weight (kg)	17.3	-	-	-	
Laid weight (kg/m ²)	276	-	-	-	
TOPCRETE STANDARD MULTICORE (7.3 N/mm ²)				MULTICORE	
Block Width (mm)	140	-	-	-	
Unit weight (kg)	18.5	-	-	-	
Laid weight (kg/m ²)	199	-	-	-	
TOPCRETE STANDARD HOLLOW (3.6 & 7.3 N/mm ²)				HOLLOW	
Block Width (mm)	140	-	-	215	
Unit weight (kg)	17.0	-	-	27.0	
Laid weight (kg/m ²)	202	-	-	285	

SOUND AND FIRE PROPERTIES

PRODUCT	BLOCK THICKNESS mm	SOUND INSULATION (SINGLE LEAF WALLS), R _w (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	100	50	49	4	2
	140	53	52	4	3
TOPCRETE STANDARD CELLULAR MULTICORE	140	51	51	4	3
TOPCRETE STANDARD HOLLOW	215	53	53	4	4

APPLICATIONS

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

(1) Manufactured to Category 1 manufacturing control. (2) Denotes 7.3 N/mm² block strength only.