

DUROX

SUPABLOC

Made bigger to build faster

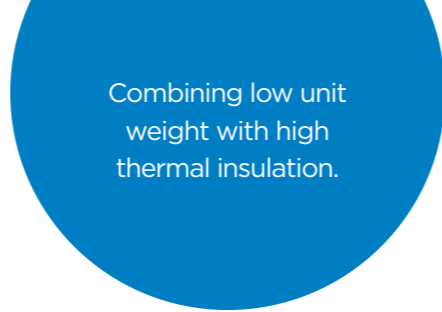


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SUPABLOC

Made bigger to build faster

Made bigger to build faster DUROX is a modern construction material, whose versatility, light weight, thermal and acoustic properties make it the ideal solution for a wide variety of applications in all types of building. DUROX SUPABLOC combines low unit weight with high thermal insulation and acoustic performance in strengths of 3.6, 4.2, 7.3 and 8.7N/mm².



Combining low unit weight with high thermal insulation.

LOW UNIT WEIGHT

The light weight of Durox means more blocks per load, resulting in more environmentally-friendly transportation.

FAST BUILDING BLOCKS

Independently monitored trials have demonstrated that Durox Supabloc is over 20% faster to build with than conventional size aircrete blocks and over 30% faster than dense blocks.

EASY TO WORK

Cutting, chasing and finishing are all straightforward and quick to achieve using standard tools.

EXCELLENT ACOUSTIC AND THERMAL PERFORMANCE

Good U-values and Rw values, as well as Robust Details help specifiers more easily meet requirements.

MORTAR SAVING

Due to fewer mortar joints, mortar savings of up to 22% can be made when compared to conventional size blocks.

BIGGER BLOCK

At 620mm long, Durox is 40% longer than conventional size blocks, meaning they lay at 7 per m² including mortar joints.

FIRE

All Durox 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).

SOUND INSULATION

The Building Regulations Approved Document E requires certain internal walls and floors in dwellings to meet a performance standard of 40Rw dB. Sound reduction values for single leaf walls are given in the following tables.

TECHNICAL PROPERTIES

PRODUCT	COMPRESSIVE STRENGTH N/mm ² *	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 WIDTH AVAILABLE mm	BLOCK WIDTH POTENTIALLY >20kg
SUPABLOC	3.6	50 ⁽¹⁾ , 100, 140, 200	620 x 215 310 x 215 ⁽¹⁾	0.11	460	DS1, DS2	<0.70	100, 140	-
SUPABLOC 4	4.2	100	620 x 215	0.16	630	DS1, DS2, DS3	<0.70	-	-
SUPABLOC 7	7.3	100, 140, 200	620 x 215	0.19	680	DS1, DS2, DS3	<0.70	100, 140*	200
SUPABLOC 8	8.7	100, 140	620 x 215	0.19	720	DS1, DS2, DS3	<0.70	100, 140	-

*Supabloc 8 is manufactured to Category 1 manufacturing control, all other strengths to Category 2. **Check with Tarmac blocks sales team for stocked and 'made to order' sizes. (1) Only 50mm is produced in 310 x 215mm face size.

SIZES AND WEIGHTS

DUROX SUPABLOC (3.6N/mm ²)				
Block Width (mm)	50	100	140	200
Unit weight (kg)	1.6	6.3	8.8	12.6
Laid weight (kg/m ²)	28	55	77	111
DUROX SUPABLOC 4 (4.2N/mm ²)				
Block Width (mm)		100		
Unit weight (kg)		8.7		
Laid weight (kg/m ²)		72		
DUROX SUPABLOC 7 (7.3N/mm ²)				
Block Width (mm)		100	140	200*
Unit weight (kg)		9.3	13.1	18.6
Laid weight (kg/m ²)		77	107	153
DUROX SUPABLOC 8 (8.7N/mm ²)				
Block Width (mm)		100	140*	
Unit weight (kg)		9.9	13.8	
Laid weight (kg/m ²)		80	113	

* Denotes a made to order product. Please note availability may be dependent on order quantity and delivery location. Other dimensions and strengths may be available on request. Unit and laid weights, which are given for design purposes, are approximate and calculated based on the specified dry density with a moisture content of 3% by weight added to provide equilibrium weights.'

SOUND AND FIRE PROPERTIES

PRODUCT	BLOCK THICKNESS mm	SOUND INSULATION (SINGLE LEAF WALLS), R _v (dB)			FIRE RESISTANCE (HOURS) BS EN 1996:1-2	
		NO FINISH	LIGHTWEIGHT PLASTER (BOTH FACES)	DRY LINING (BOTH FACES)	SINGLE LEAF WALL, NO FINISH	
					NON-LOADBEARING	LOADBEARING
SUPABLOC	100	37	41	41	4	1
	140	41	44	44	4	2
SUPABLOC 4	100	40	43	43	4	2
SUPABLOC 7 or 8	100	41	44	44	4	2
	140	45	47	47	4	3

APPLICATIONS

PRODUCT	EXTERNAL SOLID WALL	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	
SUPABLOC	✓	✓	✓	✗	✓	✓ ⁽¹⁾	✗ use render carrier only	✗ use render carrier only	✓ ⁽²⁾
SUPABLOC 4	✗	✓	✓	✓	✓	✓ ⁽¹⁾	✓	✗ use render carrier only	✓ ⁽²⁾
SUPABLOC 7	✓	✓	✓	✓	✓	✓ ⁽¹⁾	✓	✗ use render carrier only	✓ ⁽²⁾
SUPABLOC 8	✗	✓	✓	✓	✓	✓ ⁽¹⁾	✓	✗ use render carrier only	✓ ⁽²⁾

(1) Subject to the sulphate conditions (2) Load spanning the 215mm block dimension.

To find out more about our range of BLOCKS and the best solution for your project call **0345 013 3592**
Check out our U-value Calculator www.tarmac.com/u-value-calculator

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