

# ***DUROX***

*FOUNDATION*

Made bigger to build faster



# DUROX

## FOUNDATION

*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 FOUNDATION blocks are produced specifically for the use below DPC to replace the inner and outer leaf, wall ties and concrete fill associated with traditional build methods.*

### LOW UNIT WEIGHT

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

### EASY TO WORK

Cutting is straightforward and quick to achieve using standard tools.

### EXCELLENT THERMAL PERFORMANCE

The use of Durox Foundation blocks helps to achieve lower U-values in ground floors as it provides a degree of vertical perimeter insulation. It also lowers the heat loss from thermal bridging and gives better 'psi' values in energy calculations.

### MORTAR SAVING

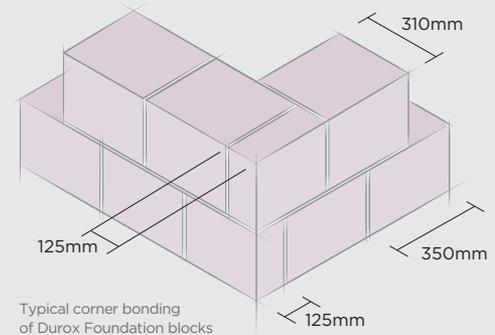
Durox Foundation blocks can be used with unfilled vertical joints, provided the blocks are built with their ends closely butted together to restrict the passage of vermin. This advice is consistent with the guidance given in BRE information paper IP7/05.

### SMALLER BLOCK

Durox can be used as a 310 or 350mm thickness and also reduces the risk from manual handling.

### FIRE

All Durox products conform to a fire rating of Class A1 to BS EN 13501.



## PRODUCT PROPERTIES

PRODUCT	COMPRESSIVE STRENGTH N/mm <sup>2</sup> **	BLOCK THICKNESS mm	FACE SIZES, mm LENGTH X HEIGHT	THERMAL CONDUCTIVITY λ(W/mK)	DRY DENSITY kg/m <sup>3</sup>	SULPHATE SOIL CONDITIONS	UNIT WEIGHT kg**	LAI D WEIGHT kg/m <sup>3</sup> **	NUMBER OF BLOCKS PER m <sup>2</sup> OF WALL
FOUNDATION	3.6	310	350 x 215	0.11 (approx. 0.18 below ground)(1)	460	DS1, DS2	11.1	177	12.35
		350	310 x 215						
FOUNDATION 7	7.3	310	350 x 215	0.19 (approx. 0.30 below ground)(1)	680	DS1, DS2, DS3	16.4	242	12.35
		350	310 x 215						

\*Manufactured to Category 2 manufacturing control. \*\*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. (1) The below ground thermal conductivity value will change dependent upon moisture content.

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](http://www.tarmac.com/u-value-calculator)

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