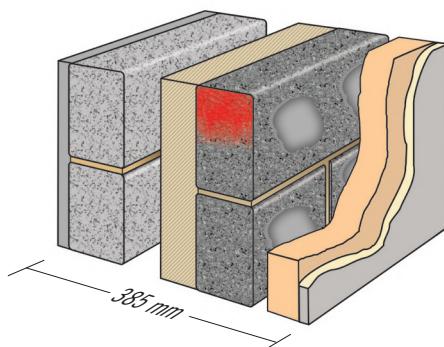


Stowlite medium dense blocks/bricks 10.4N/mm² to BS EN 771-3

1.6

Stowlite 10.4N/mm² blocks are approximately 22% lighter than the dense block of the same strength and provide a good background for rendering.

U-Value 0.18



	10.4N/mm ² (OVEN-DRY DENSITY approx 1600 kg/m ³)			
Size mm nominal (L x W x H)	approx weight kg			
no. per tonne	multiples of			
no. per pack				
440×100×215	15.5	64	44	88
440×140×215	22.0 •	46	32	64
Coursing bricks				
215×100×65	2.3	430	128	512
215×140×65	3.2	310	96	384

- Blocks in excess of 20kg – please use with caution after assessing the risks.

THERMAL CONDUCTIVITY: λ^*

0.71 W/mK @ 3% m/c (Inside skin)
0.76 W/mK @ 5% m/c (Outside skin)

THERMAL RESISTANCE:

SIZE mm	m ² K/W at:	m ² K/W at:
100mm	3% m/c 0.141	5% m/c 0.131
140mm	3% m/c 0.197	5% m/c 0.184
(m/c = moisture content)		

WEIGHTED SOUND INSULATION Rw: **

44 dB (100mm single skin, 209kg/m²)
46 dB (140mm single skin, 275kg/m²)

FIRE RESISTANCE: ***

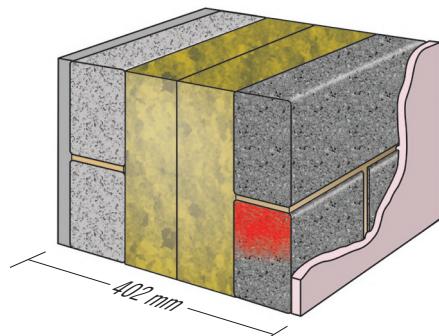
100mm	2 hrs
140mm	3 hrs

* Calculated from oven dry density

** Calculated using mass law curve - BS8233
(with 2 skins of dense plaster each 25kg/m²)

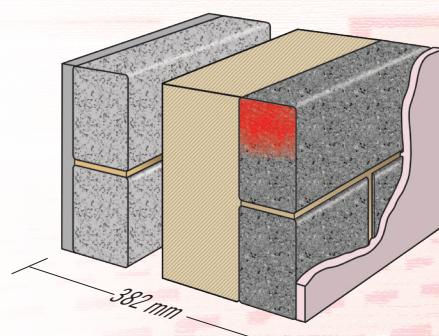
*** Calculated using table NA 3.2 BS EN
1996-1-2 : 2005 (unplastered separating
load bearing single leaf walls)

U-Value 0.18



	10.4N/mm ² (OVEN-DRY DENSITY approx 1600 kg/m ³)			
Size mm nominal (L x W x H)	approx weight kg			
no. per tonne	multiples of			
no. per pack				
440×100×215	15.5	64	44	88
440×140×215	22.0 •	46	32	64
Coursing bricks				
215×100×65	2.3	430	128	512
215×140×65	3.2	310	96	384

U-Value 0.16



	10.4N/mm ² (OVEN-DRY DENSITY approx 1600 kg/m ³)			
Size mm nominal (L x W x H)	approx weight kg			
no. per tonne	multiples of			
no. per pack				
440×100×215	15.5	64	44	88
440×140×215	22.0 •	46	32	64
Coursing bricks				
215×100×65	2.3	430	128	512
215×140×65	3.2	310	96	384

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