

From November 2004
the specification of Celcon's
Standard product has changed.
Please see www.celcon.co.uk/standard
for further information.

November 2004

CL/SFB				
	FF4			

H+H Celcon Datasheet

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Celcon Standard blocks (440x215mm)

For information on Solar blocks (2.8N/mm²) please see TSD/73 and for Hi Strength blocks (10^eN/mm² or 7N/mm²) please see TSD/74
Celcon Standard blocks are also available in a 610mm long format 'PLUS' block, for further information please see TSD/68



For details of using Celcon blocks as cavity (reveal) closers see TSD/71

Celcon Standard blocks have been value engineered to combine strength, high thermal performance, good acoustic and fire properties, whilst retaining the lightweight characteristics of aircrete.

Manufactured to a compressive strength of 3.5N/mm², Celcon Standard can be used to meet the structural performance criteria of most houses up to three stories. Their inherent thermal properties provide a significant contribution to the overall energy conservation of a building and can reduce the amount of additional insulation required compared to other types of lightweight or dense aggregate blockwork with a similar strength.

Celcon Standard blocks being light and easy to handle, provide many benefits for the site operative. CONIAC sheet 37 advises that "With block handling the risk of injury is largely determined by the weight of the block". All blocks up to 265mm thick meet the CONIAC manual handling requirements for health and safety.

Identified by its distinctive V-key which runs across the full face of the block as well as by a bar code label on the outer packaging.



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Technical Data

Standard Blocks	
Average density (kg/m ³)	600
Compressive strength (N/mm ²)	3.5 (3.6*)
Thermal conductivity (W/mK)	0.15
Vapour resistivity	60MN s/gm
Co-efficient of linear expansion	8x10 ⁻⁶ /K
Specific heat capacity	1.05kJ/kg K
Vapour diffusion resistance factor	12
BBA Certificate No.	01/3816



* When referencing the European Standard BS EN 771-4: 2003 the compressive strength values in brackets should be used. Please see www.celcon.co.uk/en771-4 for further information.

Handling weights - maximum for handling and transportation (kg)												
Block Thickness	75	100	115	125	140	150	200	215	255	265	275	300
Standard block	5.5	7.3	8.4	9.1	10.2	10.9	14.6	15.7	18.6	19.3	20.1	21.9
Standard pack (excl. pallet)	711	729	755	729	715	766	729	784	744	773	802	656

* weights are at typical moisture content when laid. Some manufacturers may quote weights which do not allow for this.

Pack Information

Standard blocks (440x215mm) are manufactured in the following thicknesses												
T-Block thickness (mm)	75	100	115	125	140	150	200	215	255	265	275	300
W-Pack width (mm)	975	1000	1035	1000	980	1050	1000	1075	1020	1060	1100	900
No. of blocks per pack	130	100	90	80	70	70	50	50	40	40	40	30
m ² per pack	13	10	9	8	7	7	5	5	4	4	4	3
Available ex-stock	●	●			●	●		●	●	●	●	●

All Standard block thicknesses can be used below dpc level in most soil conditions. For availability please call **08705 143820**

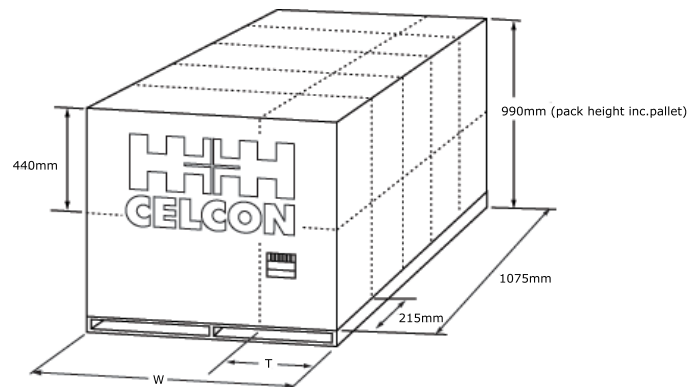
Technical Hotline **01732 880580** or tsd@celcon.co.uk

Other sources of information

Our website www.celcon.co.uk or

contact the Marketing department **01732 880520** or marketing@celcon.co.uk

National Sales call **08705 143820**



W = Pack width
T = Block thickness



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