

Celcon Foundation Blocks



Celcon Foundation Blocks are commonly used in a range of thicknesses for use below ground level. Offering beneficial thermal performance, they are suitable for the support of cavity or solid walls, framed construction or suspended floors, including beam and block floors. They are resistant to damage caused by water penetration.



With exceptional resistance to freeze/thaw conditions and sulfate attack when they occur below ground level: BBA certificate 01/3816 confirms that all Celcon Foundation Blocks are suitable for use in soil conditions from DS1 to DS4.

Celcon Foundation Blocks can be laid below ground level without mortar perpend. Simply lay them with mortared horizontal bed joints and then butt them together to prevent the passage of vermin.

Solar Grade can also be used below ground.

All Celcon Foundation Blocks may also be used above ground for solid wall construction.

Applications

- Foundations



Foundation Block
Standard Grade



Foundation Block
High Strength Grade



Foundation Block
Standard Grade
(140mm course height)



Foundation Block
High Strength Grade
(140mm course height)



Celcon Foundation Blocks

Face size	Standard Grade 325mm x 215mm	High Strength Grade 325mm x 215mm
Block Thickness (mm)	300	300
Block Weight (kg) [†]	16	19

Please note the thermal conductivity quoted for use below ground is different to that when used above DPC, because they may have a higher moisture content.

† Blocks weights at typical moisture content when laid. (Some manufacturers may quote weights which have not allowed for this.)

Face size	Standard Grade 440mm x 215mm			High Strength Grade 440mm x 215mm		
Block Thickness (mm)	275	300	355	275	300	355
Block Weight (kg) [†]	20	22	26	23	25	30

All shaded areas indicate that the product is a stock item at all factories, other sizes can be made to order subject to minimum quantities.

For further information and to check our most up-to-date product range please visit our website www.hhcelcon.co.uk or contact the following departments:

Sales

For sales enquiries or to find your local stockist please contact
 Tel: 01732 886444
 Fax: 01732 887013

Technical

For technical enquiries please contact
 Tel: 01732 880580
 Fax: 01732 880581
 Email: technical.services@hhcelcon.co.uk

Face size	Standard Grade 630mm x 140mm	High Strength 630mm x 140mm
Block Thickness (mm)	300	300
Block Weight (kg) [†]	20	23

	Standard Grade	High Strength
Compressive Strength	3.6N/mm ²	7.3N/mm ²
Thermal Conductivity	0.24 W/mK [#]	0.30 W/mK [#]
Density	600 kg/m ³	700 kg/m ³

Pack information	440mm x 215mm			630mm x 140mm	325mm x 215mm
Block Thickness (mm) = T	275	300	355	300	300
Coverage per pack (m ²)	4.0	3.0	3.0	2.7	3
Number of blocks per pack	40	30	30	28	40
Pack width (mm) = W	1100	900	1065	1200	1075
Pack Weight – Standard Grade (kg)*	802	656	777	546	646
Pack Weight – High Strength (kg)*	921	753	892	-	-
Pack Weight – High Strength/Super Strength (kg)*	-	-	-	656	742

