

NBT ThermoPlan System

Characteristics for Designing to EC6 – BS EN 1996

Block reference & class (1)	Wall thickness (mm)	Wall weight (kN/m ²)	Strength class (2)	Permissible compressive strength (σ_o) (3) (N/mm ²)	Mean compressive strength (f_m) (4) (N/mm ²)	Normalised mean compressive strength (f_b) (5) (N/mm ²)	Characteristic compressive strength (f_k) (6) (N/mm ²)	Characteristic flexural strength (7)		Characteristic initial shear strength (f_{vko}) (8) (N/mm ²)	Short term elastic modulus (E) (9) (N/mm ²)
								(f_{xk1}) (N/mm ²)	(f_{xk2}) (N/mm ²)		
MZ7 (LD, Group 3 Cat. 1)	300	2.10	6	0.55	7.5	7.5	1,52	0.15	0.15	0.30	1520
	365	2.55	6	0.55	7.5	7.5	1,52	0.15	0.15	0.30	1520
	425	3.00	6	0.55	7.5	7.5	1,52	0.15	0.15	0.30	1520
	490	3.45	6	0.55	7.5	7.5	1,52	0.15	0.15	0.30	1520
ZT09 ZV09 (LD, Group 2 Cat. 1)	300	2.25	6	0.7	7.5	7.5	1,94	0.15	0.15	0.30	1940
	365	2.75	6	0.7	7.5	7.5	1,94	0.15	0.15	0.30	1940
	425	3.20	6	0.7	7.5	7.5	1,94	0.15	0.15	0.30	1940
ZT11 ZV11 (LD, Group 2 Cat. 1)	240	1.80	6	1.0	7.5	7.5	2,77	0.15	0.15	0.30	2770
	300	2.25	6	1.0	7.5	7.5	2,77	0.15	0.15	0.30	2770
	365	2.75	6	1.0	7.5	7.5	2,77	0.15	0.15	0.30	2770
	425	3.20	6	1.0	7.5	7.5	2,77	0.15	0.15	0.30	2770
	490	3.70	6	1.0	7.5	7.5	2,77	0.15	0.15	0.30	2770
TS13 (LD, Group 2 Cat. 1)	300	2.55	8	1.2	10.0	10.0	3.32	0.15	0.15	0.30	3320
	365	3.10	8	1.2	10.0	10.0	3.32	0.15	0.15	0.30	3320
	425	3.60	8	1.2	10.0	10.0	3.32	0.15	0.15	0.30	3320
ZA08 (LD, Group 2 Cat. 1)	115	1.15	8	1.4	10.0	10.0	3,88	0.15	0.15	0.30	3880
	175	1.75	8	1.4	10.0	10.0	3,88	0.15	0.15	0.30	3880
	240	2.40	8	1.4	10.0	10.0	3.88	0.15	0.15	0.30	3880
ZA12 (HD, Group 2 Cat. 1)	115	1.60	12	1.8	15.0	15.0	4,99	0.15	0.15	0.30	4990
	175	2.45	12	1.8	15.0	15.0	4,99	0.15	0.15	0.30	4990
	240	3.35	12	1.8	15.0	15.0	4,99	0.15	0.15	0.30	4990
ZA14 (HD, Group 2 Cat. 1)	115	1.75	12	1.8	15.0	15.0	4,99	0.15	0.15	0.30	4990
	175	2.65	12	1.8	15.0	15.0	4,99	0.15	0.15	0.30	4990
	240	3.60	12	1.8	15.0	15.0	4,99	0.15	0.15	0.30	4990