

# BS 8500 Requirements for Standardised Prescribed and Designated Concretes



bringing materials to *life*

Concrete	Min Cement kg/m <sup>3</sup>	Max W/C	CEM I	Phoenix	Portland-Limestone Cement	CEMBlend*	Comments
ST1	220	-	✓	✓	✓	✓	BS 8500-2 Table 7
ST2	255	-	✓	✓	✓	✓	BS 8500-2 Table 7
ST3	330	-	✓	✓	✓	✓	BS 8500-2 Table 7
ST4	340	-	✓	✓	✓	✓	BS 8500-2 Table 7
ST5	375	-	✓	✓	✓	✓	BS 8500-2 Table 7
GEN 0	120	-	✓	✓	✓	✓	BS 8500-1 Table A14
GEN 1	180	-	✓	✓	✓	✓	BS 8500-1 Table A14
GEN 2	200	-	✓	✓	✓	✓	BS 8500-1 Table A14
GEN 3	220	-	✓	✓	✓	✓	BS 8500-1 Table A14
RC 20/25	240	0.70	✓	✓	✓	✓	BS 8500-1 Table A14
RC 25/30	260	0.65	✓	✓	✓	✓	BS 8500-1 Table A14
RC 28/35	280	0.60	✓	✓	✓	✓	BS 8500-1 Table A14
RC 30/37	300	0.55	✓	✓	✓	✓	BS 8500-1 Table A14
RC 32/40	300	0.55	✓	✓	✓	✓	BS 8500-1 Table A14
RC 35/45	320	0.50	✓	✓	✓	✓	BS 8500-1 Table A14
RC 40/50	340	0.45	✓	✓	✓	✓	BS 8500-1 Table A14
RC 40/50XF	340	0.45	✓	✓	✓	✓	BS 8500-1 Table A14
PAV 1 (S2)	280	0.60	✓	✓	✓	✓	BS 8500-1 Table A14
PAV 2 (S2)	300	0.55	✓	✓	✓	✓	BS 8500-1 Table A14
FND 2	340	0.50	✓	-	-	-	BS 8500-1 Table A14
FND 2	320	0.55	-	✓	-	✓	BS 8500-1 Table A14
FND 2	360	0.45	-	-	✓	-	BS 8500-1 Table A14
FND 2z	320	0.55	✓	✓	✓	✓	BS 8500-1 Table A14
FND 3	380	0.40	-	✓	-	✓	BS 8500-1 Table A14
FND 3z	340	0.50	✓	✓	✓	✓	BS 8500-1 Table A14
FND 4	380	0.35	-	✓	-	✓	BS 8500-1 Table A14
FND 4z	360	0.45	✓	✓	✓	✓	BS 8500-1 Table A14

Values for minimum cement content are based on the use of 20mm aggregate and a default slump class of S3 unless otherwise stated.

\* CEM III/A+SR

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## For further information

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The information in this datasheet is accurate at the time of printing, but Lafarge Cement UK reserve the right to amend details as part of their product development programme.

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