

Forms for specifying or scheduling designated and designed concrete in accordance with BS 8500-1

Schedule for the specification requirements of designated concretes for use on contract					
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Contract period					
BS 8500-1 reference	Requirement	Schedule			
4.2.2a)	The concretes below shall be supplied as designated concretes in accordance with this specification and the relevant clauses of BS 8500-2 ^a				
4.2.2b)	Concrete designation				
4.2.2c)	Maximum aggregate size when other than 20 mm				
4.2.2d)	Consistence (Ring the class required when other than the default classes of S3 for the GEN, FND and RC series and S2 for the PAV series. Use a separate column for different consistence with the same designated concrete) Other (specify)	S1, S2, S3, S4 F2, F3, F4, F5	S1, S2, S3, S4 F2, F3, F4, F5	S1, S2, S3, S4 F2, F3, F4, F5	S1, S2, S3, S4 F2, F3, F4, F5
4.2.3	Additional requirements				
Exchange of information					
BS EN 206-1, 7.1	Total volume required Anticipated peak delivery rate Any access limitations				
5.1a)	Intended method of placing, e.g. pumping, and finishing, e.g. power floating, the concrete				
5.1b)	Where identity testing is routine: Type of test Volume of concrete in assessment Number of tests on this volume Whether a non-accredited laboratory will be used				
5.1 and BS EN 206-1, 7.1	Other information from the specifier to producer				
5.2 and BS EN 206-1, 7.2	Information required from the producer				

^a There is no need to cite BS EN 206-1 as BS 8500-2 has a clause that requires conformity to BS EN 206-1.

Schedule for the specification requirements of designed concretes for use on contract

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Contract period

BS 8500-1 reference	Requirement	Schedule			
4.3.2a)	The concretes below shall be supplied as designed concretes in accordance with this specification and the relevant clauses of BS 8500-2 ^a				
	Concrete reference, if any				
4.3.2b)	Compressive strength class				
4.3.2c)	For sulfate resisting concrete, design chemical class	DC-	DC-	DC-	DC-
	For other concretes, limiting values of composition: Maximum w/c ratio Minimum cement/combination content, kg/m ³				
4.3.2d) and 4.3.3a)	Cement or combination types (delete those not permitted) Other or special property, e.g. white, low heat, +SR (specify)	CEM I, SRPC IIA, IIB IIIA, IIIB, IVB	CEM I, SRPC IIA, IIB IIIA, IIIB, IVB	CEM I, SRPC IIA, IIB IIIA, IIIB, IVB	CEM I, SRPC IIA, IIB IIIA, IIIB, IVB
4.3.2e)	Maximum aggregate size, mm				
4.3.2f)	Chloride class (ring the one required) Prestressed or heat cured reinforced concrete Reinforced ^b Unreinforced with no embedded metal	CI 0,10 RC CI 1,0	CI 0,10 RC CI 1,0	CI 0,10 RC CI 1,0	CI 0,10 RC CI 1,0
4.3.2g) and h)	For lightweight and heavyweight concrete, target density				
4.3.2i)	Consistence (Ring the class required. Use separate columns for the same basic concrete with different consistence) Other (specify)	S1, S2, S3, S4 F2, F3, F4, F5	S1, S2, S3, S4 F2, F3, F4, F5	S1, S2, S3, S4 F2, F3, F4, F5	S1, S2, S3, S4 F2, F3, F4, F5
4.3.2 Note 2	UKAS or equivalent accredited third party product conformity certification (delete if not required)	Yes	Yes	Yes	Yes
4.3.3b) to n)	Additional requirements				
Exchange of information					
BS EN 206-1, 7.1	Volume required Anticipated peak delivery rate Any access limitations				
5.1a)	Intended method of placing, e.g. pumping, and finishing, e.g. power floating, the concrete				
5.1b)	Where identity testing is routine: Type of test Volume of concrete in assessment Number of tests on this volume Whether a non-accredited laboratory will be used				
5.1 and BS EN 206-1, 7.1	Other information from the specifier to producer				
5.2 and BS EN 206-1, 7.2	Information required from the producer				

^a There is no need to cite BS EN 206-1 as BS 8500-2 has a clause that requires conformity to BS EN 206-1.

^b Where RC is ringed, the chloride class shall be CI 0.40 except where SRPC is used. In this case the chloride class shall be CI 0,20.

