

DIN EN 206-9:2010-09 (E)

Concrete - Part 9: Additional Rules for Self-compacting Concrete (SCC)

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms, definitions, symbols and abbreviations	7
3.1	Terms and definitions	7
3.2	Symbols and abbreviations	7
4	Classification	8
4.1	Exposure classes related to environmental actions	8
4.2	Fresh concrete	8
4.3	Hardened concrete	9
5	Requirements for concrete and methods of verification	10
5.1	Basic requirements for constituent materials	10
5.2	Basic requirements for composition of concrete	10
5.3	Requirements related to exposure classes	11
5.4	Requirements for fresh concrete	11
5.5	Requirements for hardened concrete	12
6	Specification of concrete	12
6.1	General	12
6.2	Specification for designed concrete	12
6.3	Specification for prescribed concrete	13
6.4	Specification of standardized prescribed concrete	13
7	Delivery of fresh concrete	13
7.1	Information from the user of the concrete to the producer	13
7.2	Information from the producer of the concrete to the user	13
7.3	Delivery ticket for ready-mixed concrete	13
7.4	Delivery information for site-mixed concrete	13
7.5	Consistence at delivery	13
8	Conformity control and conformity criteria	14
8.1	General	14
8.2	Conformity control for designed concrete	14
8.3	Conformity control of prescribed concrete including standardized prescribed concrete ...	14
8.4	Actions in the case of non-conformity of the product	14
9	Production control	14
9.1	General	14
9.2	Production control systems	15
9.3	Recorded data and other documents	15
9.4	Testing	15
9.5	Concrete composition and initial testing	15
9.6	Personnel, equipment and installation	15
9.7	Batching of constituent materials	15
9.8	Mixing of concrete	15

9.9	Production control procedures	15
10	Evaluation of conformity	16
11	Designation for designed concrete	16
	Annex A (normative) Initial Test	17
A.1	General	17
A.2	Party responsible for initial tests	17
A.3	Frequency of initial tests	17
A.4	Test conditions	17
A.5	Criteria for adoption of initial tests	17
	Annex B (normative) Identity testing for compressive strength	18
	Annex C (normative) Provisions for assessment , surveillance and certification of production control	19
	Annex D (informative) Bibliography	20
	Annex E (informative) Guidance on the application of the equivalent performance concept of concrete properties	21
	Annex F (informative) Recommendations for limiting values of concrete compositions	22
	Annex H (informative) Additional provisions for high strength concrete	23
	Annex J (informative) Performance-related design methods with respect to durability	24
	Annex K (informative) Concrete families	25
	Annex L (informative) Guidelines for SCC requirements in the fresh state	26
L.1	General	26
L.2	Recommendations on classification of SCC	27
L.2.1	Slump flow	27
L.2.2	Viscosity	27
L.2.3	Passing ability	27
L.2.4	Stability	27