

DIN EN 13808:2013-07 (E)

Bitumen and bituminous binders - Framework for specifying cationic bituminous emulsions

Contents		Page
Foreword		4
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Abbreviated terms	8
5	Requirements and test methods	8
5.1	General	8
5.2	Properties of the emulsion (Table 2)	9
5.2.1	Binder content	9
5.2.2	Breaking behaviour	9
5.2.3	Residue on sieving - 0,5 mm sieve	9
5.2.4	Viscosity	9
5.2.5	Water effect on binder adhesion	9
5.2.6	Penetration power	9
5.2.7	Oil distillate content	9
5.2.8	Residue on sieving - 0,16 mm sieve	9
5.2.9	Efflux time at 85 °C	10
5.2.10	Storage stability by sieving	10
5.2.11	Settling tendency	10
5.3	Residual, recovered, stabilised and aged binders from cationic bituminous emulsions (Table 3)	10
5.3.1	Residual binder by distillation	10
5.3.2	Recovered binder	10
5.3.3	Binders to be considered for the assessment of durability	10
5.4	Properties of residual, recovered, stabilised and aged binders from cationic bituminous emulsions (Table 4)	10
5.4.1	Consistency at intermediate service temperature	10
5.4.2	Consistency at elevated service temperature	11
5.4.3	Cohesion (for modified binders only)	11
5.4.4	Brittleness at low service temperature	11
5.4.5	Elastic recovery (for modified binders only)	11
5.5	Dangerous substances	15
6	Assessment and verification of constancy of performance - AVCP	15
6.1	General	15
6.2	Type testing	15
6.2.1	General	15
6.2.2	Test samples, testing and compliance criteria	16
6.2.3	Test reports	16
6.2.4	Shared other party results	16
6.3	Factory production control (FPC)	16
6.3.1	General	16
6.3.2	Requirements	17
6.3.3	Initial inspection of factory and of FPC	23
6.3.4	Continuous surveillance of FPC	23
6.3.5	Procedure for modifications	23

6.3.6	One-off products, pre-production products (e.g. prototypes) and products produced in very low quantity	24
	Annex A (informative) Examples of abbreviated terms for bituminous emulsions	25
	Annex B (informative) Examples of selected performance classes for a C 69 BP 2 emulsion	26
	Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation 305/2011	27
	ZA.1 Scope and relevant characteristics	27
	ZA.2 Procedure for AVCP of cationic bituminous emulsions	28
	ZA.3 CE marking and labelling	33
	Bibliography	36