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