DIN EN 13108-3:2016-12 (E)

Bituminous mixtures - Material specifications - Part 3: Soft Asphalt

Contents

Page

European foreword 4

Introduction 6

1 Scope 7

2 Normative references 7

3 Terms, definitions, symbols and abbreviations 8
3.1 Terms and definitions 8
3.2 Symbols and abbreviations 10

4 Requirements for constituent materials 10
4.1 General 10
4.2 Binder 10
4.2.1 General 10
4.2.2 Selection of binder 10
4.3 Aggregates 11
4.3.1 Coarse aggregate 11
4.3.2 Fine aggregate 11
4.3.3 All-in aggregates 11
4.3.4 Added filler 11
4.4 Reclaimed asphalt 11
4.5 Additives 12

5 Requirements for the mixture 12
5.1 General 12
5.2 Composition, grading and binder content 12
5.2.1 Composition 12
5.2.2 Grading 12
5.2.3 Minimum binder content 13
5.3 Properties 19
5.3.1 Specimens 19
5.3.2 Void content and voids filled with binder 19
5.3.3 Water sensitivity 20
5.3.4 Coating and homogeneity 20
5.3.5 Reaction to fire 20
5.4 Temperature of the mixture 21
5.5 Regulated dangerous substances 22
5.6 Conflicting requirements 22

6 Assessment and verification of constancy of performance -- AVCP 22

7 Identification 23

Annex A (normative) Calculations of the penetration, the softening point or the viscosity of the binder of a mixture when reclaimed asphalt is used 24

A.1 General 24
A.2 Calculation of the penetration of the binder of a mixture 24
A.3 Calculation of the softening point of the binder of a mixture 24
A.4 Calculation of the viscosity of the binder of a mixture 25

Annex ZA (informative) Relationship of this European Standard with Regulation (EU) No. 305/2011 26

ZA.1 Scope and relevant characteristics 26

ZA.2 System of Assessment and Verification of Constancy of Performance (AVCP) 27

ZA.3 Assignment of AVCP tasks 28