DIN EN 14695:2010-05 (E)

Flexible sheets for waterproofing - Reinforced bitumen sheets for waterproofing of concrete bridge decks and oth er trafficked areas of concrete - Definitions and characteristics

Contents

Page

Foreword 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 6

4 Product characteristics 8
4.1 General 8
4.2 Sheet characteristics 8
4.2.1 Visible defects 8
4.2.2 Dimensions, tolerances and mass per unit area 8
4.2.3 Initial amount of mineral surface protection 9
4.2.4 Tensile properties 9
4.2.5 Water absorption 9
4.2.6 Flexibility at low temperature 9
4.2.7 Flow resistance at elevated temperature 9
4.2.8 Dimensional stability at elevated temperatures 9
4.2.9 Thermal ageing behaviour 9
4.3 Performance related characteristics 10
4.3.1 General 10
4.3.2 Bond strength 10
4.3.3 Shear strength 10
4.3.4 Crack bridging ability 10
4.3.5 Compatibility by heat conditioning 10
4.3.6 Resistance to compaction of an asphalt layer 10
4.3.7 Behaviour of bitumen sheets during application of mastic asphalt 10
4.3.8 Watertightness 11
4.4 Dangerous substances 11

5 Evaluation of conformity 11
5.1 General 11
5.2 Initial type testing (ITT) 11
5.2.1 General 11
5.2.2 Sampling 11
5.3 Factory production control (FPC) 12
5.3.1 General 12
5.3.2 Frequency of testing 12

6 Product data sheet 12

7 Marking, labelling and packaging 12

Annex A (normative) Initial type testing and frequencies of testing for factory production control ... 14

Annex B (normative) Determination of dimensional stability at 160 °C 16

B.1 General 16

B.2 Procedure 16
B.3 Precision of test method 16
B.4 Test report 16

Annex C (informative) Example of a product data sheet 17

Annex D (normative) Determination of the initial amount of mineral surface protection 19

D.1 General 19
D.2 Apparatus and materials 19
D.3 Procedure 19
D.4 Calculations and expression of results 19
D.5 Precision of the test method 19
D.6 Test report 19

Annex ZA (informative) Clauses of this European Standard addressing provisions of the EU Construction Products Directive 20

ZA.1 Scope and relevant characteristics 20

ZA.2 Procedure for attestation of conformity 22

ZA.2.1 System of attestation of conformity 22

ZA.2.2 EC certificate and declaration of conformity 23

ZA.3 CE marking and labelling 23

Bibliography 27