DIN EN 14783:2006-12 (E)

Fully supported metal sheet and strip for roofing, external cladding and internal lining - Product specificatio n and requirements

Contents

Page

Foreword 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 6

4 Requirements 6
4.1 Materials 6
4.2 Nominal thickness 6
4.3 Water permeability 7
4.4 Dimensional change 7
4.5 Dimensional tolerances 7
4.6 Vapour and air permeability 8
4.7 Release of dangerous substances 8
4.8 Durability 8
4.9 External fire performance 8
4.10 Reaction to fire 8

5 Testing, assessment and sampling methods 8
5.1 External fire performance for roof covering products 8
5.1.1 Products deemed to satisfy the requirements for external fire performance 8
5.1.2 Products classified without the need for further testing 8
5.1.3 Other products 9
5.2 Reaction to fire 9
5.2.1 Products satisfying the requirements for reaction to fire Class A1 without the need for testing 9
5.2.2 Other products 9
5.3 Release of dangerous substances 9

6 Evaluation of conformity 9
6.1 General 9
6.2 Initial type testing (ITT) 10
6.2.1 General 10
6.2.2 Sampling for ITT 12
6.3 Factory production control (FPC) 12
6.3.1 General 12
6.3.2 General requirements 13

7 Designation 14

8 Product marking 14

Annex A (normative) Multilayer coated steel sheet 15

A.1 General 15
A.2 Substrate material 15
A.3 Specific requirements 15
A.3.1 Minimum nominal values of thickness 15
A.3.2 Bituminous coating specification 16

A.3.3 Durability 16
A.4 Freedom from defects 16

Annex B (normative) Test conditions for the reaction to fire tests 17

B.1 General 17
B.2 Mounting and fixing conditions of test specimens in the SBI test 17
B.2.1 General 17
B.2.2 General configuration 17
B.2.3 Securing the overlap vertical joint 19
B.2.4 Standard assembly-steel corner flashings 19
B.2.5 Alternative assembly-corner flashings and seals 19
B.3 Test arrangement for reaction to fire test according to EN ISO 11925-2 19

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

ZA.1 Scope and relevant characteristics 20

ZA.2 Procedure(s) for the attestation of conformity of products 22

ZA.2.1 Systems of attestation of conformity 22

ZA.2.2 Declaration of conformity 23

ZA.3 CE marking and labelling 24

Bibliography 27