

DIN EN 14783:2013-07 (E)

Fully supported metal sheet and strip for roofing, external cladding and internal lining - Product specification 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 | 7 |
| 4.7 | Release of dangerous substances | 7 |
| 4.8 | Durability | 7 |
| 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 | 8 |
| 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) | 9 |
| 6.2.1 | General | 9 |
| 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 | 15 |

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|
| 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 | 21 |
| ZA.2.1 | Systems of attestation of conformity | 21 |
| ZA.2.2 | EC Certificate and Declaration of conformity | 24 |
| ZA.3 | CE marking and labelling | 25 |
| Bibliography | | 28 |