DIN EN 1396:2007-04 (E)

Aluminium and aluminium alloys - Coil coated sheet and strip for general applications - Specifications

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Technical conditions for inspection and delivery 7
4.1 Ordering information 7
4.2 Requirements 10
4.3 Test procedures 11

5 Mechanical properties 12

6 Organic coating properties 14
6.1 Tolerances on thickness 14
6.2 Tolerances on gloss 15
6.3 Tolerances on colour 16

7 Inspection documents 16

8 Marking 16

9 Packing 16

10 Figures Tables Table 1 -- Symbol and typical thickness or thickness ranges of the more common coating materials (for information only) 10

Table 2 -- Mechanical properties after coating 13

Table 3 -- Tolerances on total thickness of the organic coating 15

Table 4 -- Tolerances on gloss 15

Table C.4 -- Maximum values for average undercreep and face blistering after accelerated corrosion Arbitration tests 16

Annex A (normative) Rules for rounding 17

Annex C (normative) Guidelines for the specification of organic coating requirements 19

Annex B (informative) Examples of coating systems 18

Annex D (informative) Guidelines for storage and subsequent processing 25

Annex E (normative) Chemical composition of aluminium alloys EN AW-5006 and EN AW-6025 27

Bibliography 28

Figure 1 -- Direction of winding 16

Figure C.1 20

Table C.1 -- Recommendations for selection of coil coated material 22

Table C.2 -- Expected performance on panel exposed in Hendaye/H.v.Holland 22

Table C.3 -- Expected performance of panel exposed in Florida/Portugal 23

testing 23

Table E.1 -- Chemical composition of aluminium alloys EN AW-5006 and EN AW-6025 27