

# DIN EN 1396:2007-04 (E)

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

---

<b>Contents</b>		<b>Page</b>
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

<b>Figure 1 -- Direction of winding .....</b>	<b>16</b>
<b>Figure C.1 .....</b>	<b>20</b>
<b>Table C.1 -- Recommendations for selection of coil coated material .....</b>	<b>22</b>
<b>Table C.2 -- Expected performance on panel exposed in Hendaye/H.v.Holland .....</b>	<b>22</b>
<b>Table C.3 -- Expected performance of panel exposed in Florida/Portugal .....</b>	<b>23</b>
<b>testing .....</b>	<b>23</b>
<b>Table E.1 -- Chemical composition of aluminium alloys EN AW-5006 and EN AW-6025 .....</b>	<b>27</b>