ISO 14788:2017-11 (E)

Steel sheet, zinc-5 % aluminium alloy-coated by the continuous hot-dip process, of commercial, drawing and structural qualities

Contents

Page

Foreword v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Dimensions 3

5 Conditions of manufacture 3
5.1 Steelmaking 3
5.2 Chemical composition 3
5.3 Chemical analysis 3
5.3.1 Heat analysis 3
5.3.2 Product analysis 4
5.4 Mechanical properties 5
5.4.1 Commercial and drawing quality 5
5.4.2 Structural quality 6
5.5 Coating 7
5.5.1 Coating mass 7
5.5.2 Coating adherence 7
5.6 Weldability 9
5.7 Painting 9
5.8 Coating finish condition 9
5.9 Surface treatment 9
5.9.1 Mill passivation 9
5.9.2 Oiling 10
5.10 Coated coil joining 10
5.11 Dimensional and shape tolerances 10

6 Sampling 10
6.1 Tensile test 10
6.2 Coating tests 10
6.2.1 Coating mass 10
6.2.2 Triple-spot test 10
6.2.3 Single-spot test 10
6.2.4 Coating adherence 11

7 Test methods 11
7.1 Tensile tests 11
7.2 Coating properties 11
7.2.1 Coating mass 11
7.2.2 Coating adherence 11

8 Designation system 11
8.1 General 11
8.2 Coating designation 11
8.3 Coating mass 12
8.4 Coating finish condition 12
8.5 Surface treatment 12

8.6 Base-metal quality 12
8.7 Examples 13

9 Retests 13
9.1 Machining and flaws 13
9.2 Elongation 14
9.3 Additional tests 14

10 Resubmission 14

11 Workmanship 14

12 Inspection and acceptance 14

13 Coil size 14

14 Marking 15

15 Information to be supplied by the purchaser 15

Annex A (normative) Orders requiring base-metal thickness 17

Bibliography 19