

ISO 5002:2025-05 (E)

Hot-rolled and cold-reduced electrolytic zinc-coated carbon steel sheet of commercial and drawing qualities

Contents		Page
Foreword		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Dimensions	2
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	Coating	4
5.4.1	Coating thickness	4
5.4.2	Coating adherence	4
5.5	Fabrication qualities	5
5.6	Weldability	5
5.7	Application	5
5.8	Mechanical properties	5
5.9	Strain ageing	7
5.10	Surface treatment	8
5.10.1	General	8
5.10.2	Surface preparation for painting	8
5.10.3	Mill passivation	8
5.11	Oiling	8
5.12	Painting	8
6	Dimensional and shape tolerances	8
7	Sampling	9
7.1	Tensile test	9
7.2	Coating tests	9
7.2.1	Coating mass	9
7.2.2	Coating adherence	9
8	Test methods	9
8.1	Tensile test	9
8.2	Coating tests	9
8.2.1	Coating mass	9
8.2.2	Coating adherence	10
9	Designation system	10
9.1	General	10
9.2	Base-metal quality designation	10
9.3	Coating designation	10
9.4	Surface treatment	10
9.5	Examples	10

10	Retests	11
11	Resubmission	11
12	Workmanship	11
13	Inspection and acceptance	11
14	Coil size	12
15	Marking	12
16	Information to be supplied by the purchaser	12
	Annex A (normative) Orders requiring base-metal thickness	14
	Bibliography	15