

ISO 12683:2004-11 (E)

Mechanically deposited coatings of zinc - Specification and test methods

Contents		Page
Foreword		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Information and requirements to be agreed and documented by the purchaser	2
4.1	General	2
4.2	Essential information	2
4.3	Additional information	2
5	Substrate	3
6	Classification and designation of coatings	3
6.1	Service condition number	3
6.2	Class of zinc coating thickness and type of supplementary treatment	3
7	Requirements for pretreatments	4
7.1	Stress relief treatment before coating	4
7.2	Cleaning	4
8	Inspection	4
8.1	Appearance	4
8.2	Surface defects	4
8.3	Thickness	4
8.4	Adhesion	5
8.5	Corrosion resistance in accelerated salt spray test	5
8.6	Absence of hydrogen embrittlement	7
9	Sampling	7
10	Rejection	8
11	Attestation of conformity	8
11.1	General	8
11.2	Normal conditions	8
11.3	Specific conditions	8
Annex A (informative)	Additional information	9
A.1	Coating application process	9
A.2	Coating corrosion resistance characteristics in outdoor environments	9
A.3	Specific supplementary coating types	10
A.3.1	Coating Type 1	10
A.3.2	Coating Type 2	10
A.3.3	Coating Type 3	10
A.4	Relationship between coating weight and thickness	11
Annex B (normative)	Zinc dust/powder specification	12
Bibliography		13