ISO 15110:2017-07 (E)

Paints and varnishes - Artificial weathering including acidic deposition

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 1

5 Apparatus 2
5.1 General 2
5.2 Laboratory radiation sources 2
5.3 Test chamber 2
5.4 Wetting system 2
5.5 Specimen holders 2
5.6 Black standard or black panel thermometer 3
5.7 Humidity sensor 3
5.8 Acid spray device 3
5.9 Radiometer 3

6 Solutions for artificial acidic deposition 3

7 Test specimens 3
7.1 General 3
7.2 Specimen size 3
7.3 Corrosion of the substrates 4
7.4 Reference specimens 4

8 Designation of test type 4

9 Procedure 4
9.1 General 4
9.2 Wetting and relative humidity 5
9.3 Acid spraying 5
9.4 Weathering cycles 5
9.5 Test duration 7
9.6 Further weathering of specimens 8

10 Assessment of results 8

11 Precision 8
11.1 General 8
11.2 Repeatability 8

12 Test report 9

Annex A (informative) Background information 11

Bibliography 14