DIN EN ISO 15110:2019-04 (E)

Paints and varnishes - Artificial weathering including acidic deposition (ISO 15110:2017)

Contents

Page

European foreword 3

Foreword 4

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms and definitions 6

4 Principle 6

5 Apparatus 7
5.1 General 7
5.2 Laboratory radiation sources 7
5.3 Test chamber 7
5.4 Wetting system 7
5.5 Specimen holders 7
5.6 Black standard or black panel thermometer 8
5.7 Humidity sensor 8
5.8 Acid spray device 8
5.9 Radiometer 8

6 Solutions for artificial acidic deposition 8

7 Test specimens 8
7.1 General 8
7.2 Specimen size 8
7.3 Corrosion of the substrates 9
7.4 Reference specimens 9

8 Designation of test type 9

9 Procedure 9
9.1 General 9
9.2 Wetting and relative humidity 10
9.3 Acid spraying 10
9.4 Weathering cycles 10
9.5 Test duration 12
9.6 Further weathering of specimens 13

10 Assessment of results 13

11 Precision 13
11.1 General 13
11.2 Repeatability 13

12 Test report 14

Annex A (informative) Background information 16

Bibliography 19