ISO 12543-4:2021-12 (E)

Glass in building - Laminated glass and laminated safety glass - Part 4: Test methods for durability

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Test specimens ... **1**

5 High-temperature test ... **2**
5.1 Principle ... 2
5.2 Size and number of test specimens ... 2
5.3 Procedures ... 2
5.3.1 General ... 2
5.3.2 Procedure A (short high temperature test) ... 2
5.3.3 Procedure B (long high temperature test) ... 2
5.4 Expression of results ... 2
5.5 Test report ... 3

6 Humidity test ... **3**
6.1 Principle ... 3
6.2 Size and number of test specimens ... 3
6.3 Procedures ... 3
6.3.1 Test with condensation ... 3
6.3.2 Test without condensation ... 4
6.4 Expression of results ... 4
6.5 Test Report ... 4

7 Radiation tests ... **4**
7.1 Principle ... 4
7.2 Size and number of test specimens ... 5
7.3 Simulated solar radiation methods ... 5
7.3.1 Method A: Radiation wall ... 5
7.3.2 Method B: Mercury vapour arc lamp ... 6
7.3.3 Method C: Xenon arc source ... 6
7.4 Procedure ... 7
7.5 Expression of results ... 7
7.5.1 Laminated glass and laminated safety glass ... 7
7.5.2 Fire-resistant laminated glass and fire-resistant laminated safety glass ... 7
7.6 Test report ... 8

Annex A (normative) **Retesting guidelines for durability testing of laminated glass and laminated safety glass** ... **9**

Annex B (informative) **Possible arrangement of the test apparatus for the radiation test described in 7.3.1** ... **10**

Bibliography ... **12**