DIN EN ISO 12460-2:2025-05 (E)

Wood-based panels - Determination of formaldehyde release - Part 2: Small-scale chamber method (ISO 12460-2:2024)

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

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

4 General ... **2**

5 Significance and use ... **2**

6 Interferences ... **3**

7 Apparatus ... **3**
7.1 Test chamber ... 3
7.1.1 General ... 3
7.1.2 Air exchange rate ... 3
7.1.3 Air circulation ... 3
7.1.4 Make-up air ... 3
7.1.5 Equipment for monitoring of test conditions ... 3
7.1.6 Air sampling port ... 3
7.2 Air sampling system ... 4
7.2.1 Sampling system for wet-chemistry analysis ... 4
7.2.2 Direct sampling ... 5

8 Sample material handling and specimen conditioning ... **5**
8.1 Handling ... 5
8.2 Test specimen ... 5
8.3 Conditioning ... 6
8.4 Sealing of test piece edges ... 6

9 Procedure ... **6**
9.1 Test conditions ... 6
9.2 Test procedure for materials ... 7
9.3 Air sampling ... 7
9.4 Analysis of air samples ... 7
9.4.1 General ... 7
9.4.2 Equivalence of analytical procedures – General requirements ... 7

10 Calculation ... **8**

11 Determination of air exchange rate ... **9**

12 Test report ... **9**

Annex A (informative) **Test chambers** ... **11**

Annex B (informative) **Conversion of formaldehyde test results** ... **23**

Annex C (normative) **Analytical procedure of formaldehyde determination** ... **27**

Annex D (informative) **Establishing of a correlation** ... **56**

Bibliography ... **75**