DIN EN 12037:2023-02 (E)

Wood preservatives - Field test method for determining the relative protective effectiveness of a wood preservative exposed out of ground contact - Horizontal lap-joint method

Contents

Page

European foreword 4

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms, definitions and symbols 6
3.1 Terms and definitions 6
3.2 Symbols 7

4 Principle 8

5 Materials 8
5.1 Test specimens 8
5.2 End-seal compounds 10

6 Apparatus and equipment 10

7 Sample of wood preservative 12

8 Test lap-joints 12
8.1 Initial end sealing 12
8.2 Treating process 12
8.3 Retention of preservative 12
8.4 Post-treatment handling of the test lap-joints 13
8.4.1 Conditioning 13
8.4.2 Final end sealing (prior to exposure) 13
8.4.3 Labelling 13
8.4.4 Assembling lap-joints 13

9 Untreated control lap-joints 13

10 Exposure test site 13
10.1 Selection of test site 13
10.2 Installation of the lap-joints at the test site 13

11 Inspection 14

12 Assessment 14

13 Duration of the test 15

14 Validity of test 15

15 Test report 15

Annex A (informative) Information on an additional test with a reference preservative and on treatment processes 17

A.1 Additional test with a reference preservative 17
A.1.1 General 17
A.1.2 Reference preservative 17
A.1.3 Additional reference preservative 1 17
A.1.4 Additional reference preservative 2 17
A.1.5 Tolerances of variation 18
A.1.6 Reference lap-joint 18
A.2 Model treatments methods 19
A.2.1 General 19
A.2.2 Brushing 19
A.2.3 Spraying in a spray tunnel 19
A.2.4 Dip process 19
A.2.5 Steeping 19
A.2.6 Double vacuum process 20
A.2.7 Full-cell process 20

Annex B (informative) Example of a test report 21

Annex C (informative) Determination of the preventive efficacy of a test preservative or components of a test preservative against staining fungi using horizontal lap-joint method 27

C.1 General 27
C.2 Assessment 27

Annex D (informative) Test field site 28

Bibliography 29