

DIN EN 46-1:2010-03 (E)

Wood preservatives - Determination of the preventive action against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) - Part 1: Application by surface treatment (laboratory method)

Contents	Page
Foreword	4
Introduction	5
1 Scope	6
2 Normative reference	6
3 Terms and definitions	6
4 Principle	7
5 Test materials	7
5.1 Biological material	7
5.2 Products and reagents	7
5.3 Apparatus	7
6 Sampling	8
7 Test specimens	8
7.1 Species of wood	8
7.2 Wood quality	8
7.3 Provision of test specimens	9
7.4 Dimensions of test specimens	9
7.5 Number of test specimens	9
8 Procedure	9
8.1 Preparation of the test specimens	9
8.1.1 Conditioning of the test specimens prior to sealing	9
8.1.2 Sealing of the transverse faces	10
8.1.3 Treatment of the test specimens	10
8.1.4 Drying and conditioning of the test specimens after treatment	12
8.2 Exposure of the test specimens to the insects	12
8.3 Conditions and duration of the test	13
8.4 Examination of the test specimens	13
8.4.1 Examination	13
8.4.2 Validity of the test	14
9 Expression of results	14
9.1 Evaluation of attack	14
9.2 Toxic values	14
10 Test report	15
Annex A (informative) Example of a test report	17
Annex B (informative) Technique for culturing <i>Hylotrupes bajulus</i> (Linnaeus)	19
B.1 General	19

B.2	Obtaining parent beetles	19
B.3	Mating	19
B.4	Egg-laying	19
B.5	Hatching of eggs	20
B.6	Larval development	20
B.7	Enemies and parasites	21
Annex C (informative) Differentiation of heartwood and sapwood in Pinus species		22
C.1	Principle	22
C.2	Reagents	22
C.3	Apparatus	22
C.4	Procedure	22
Annex D (informative) Environmental, health and safety precautions within chemical/biological laboratory		23
Annex E (normative) Slow acting and deferred effect formulations - Extending the test duration		24
Bibliography		26