

DIN EN 1390:2020-06 (E)

Wood preservatives - Determination of the eradicator action against *Hylotrupes bajulus* (Linnaeus) larvae - Laboratory method

Contents		Page
European foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Principle	7
5	Test materials	7
5.1	Biological material	7
5.1.1	<i>Hylotrupes bajulus</i> (Linnaeus) larvae	7
5.1.2	Source of larvae	7
5.1.3	Provision of larvae	7
5.1.4	Choice of larvae	7
5.2	Products and reagents	8
5.3	Apparatus	8
6	Sampling	9
7	Test specimens	9
7.1	Species of wood	9
7.2	Wood quality	9
7.3	Provision of test specimens	9
7.4	Dimensions of test specimens	10
7.5	Number of test specimens	10
7.5.1	For fast and slow acting wood preservatives, test duration 12 weeks or 24 weeks	10
7.5.2	For deferred acting wood preservatives, test duration 52 weeks	10
8	Procedure	10
8.1	Preparation of the test specimens	10
8.2	Insertion of larvae into the test specimens	12
8.3	Sealing of the surfaces not to be treated	12
8.4	Incubation of the test specimens	12
8.5	Treatment of test specimens	12
8.5.1	Preparation of the treatment solution	12
8.5.2	Application of the treatment solution	13
8.6	Drying of the test specimens	13
8.7	Duration of test	14
8.8	Examination of the test specimens	14
8.8.1	Examination without radiography	14
8.8.2	Examination with radiography (optional)	15
8.8.3	Expression of examination	15
9	Validity of the test	15
10	Expression of results	15

11	Test report	16
	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) Environmental, health and safety precautions within chemical/biological laboratory	22
	Bibliography	23