

TEST REPORT

362399 / 1

Revision: 0
Date of sample receipt: 20/12/23
Date of test: 03/01/24
Date of issue: 20/06/24

**THERMORY AS
LOOTSA 1A
11415 TALLINN
EE - ESTONIA**

Sample name: THERMO PINE (Pinus sylvestris)

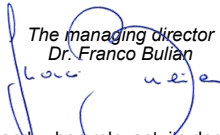
Inherent or enhanced durability of wood against wood-destroying basidiomycetes EN 113-2:2020

Timber species:	Pinus sylvestris (as declared by the client)
Origin:	non declared
Description of timber:	heat treated wood blocks
% earlywood in growth ring	not applicable
Sampling:	done by the client
Density of timber:	433 kg/m ³
Reference timber species:	Pinus Sylvestris (sapwood)
Ageing procedure applied:	none
Method of sterilisation:	gamma irradiation (25kGy)
Species and strain number of test fungi:	Coniophora puteana DSM 3085;
Rhodonia (Poria) placenta DSM 3088	
Duration of exposure to fungi:	from 26/02/2024 to 17/06/2024
Mean mass loss of reference timber:	see Table 1
Median mass loss of test timber:	see Table 3
Moisture content of test specimens:	See Table 2
Provisional durability class according to this standard:	DC1 very durable
Officer in charge of testing:	Dr. Elena Conti

Notes:

- The interpretation and practical conclusions that can be drawn from this test report require a specific knowledge of timber.

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*The managing director
Dr. Franco Bulian*


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THERMO PINE (*Pinus sylvestris*)

Table 1

Percentage mass loss of the reference test specimens (% m/m)

<i>Pinus sylvestris</i>	<i>with Coniophora puteana</i>	<i>Pinus sylvestris</i>	<i>con Rhodonia placenta</i>
1	31,85	1	31,07
2	37,97	2	27,18
3	31,64	3	40,45
4	31,02	4	40,71
5	31,24	5	32,13
6	36,50	6	27,45
7	36,19	7	27,76
8	37,67	8	28,68
9	39,19	9	33,14
10	24,98	10	27,65
mean	33,82	mean	31,62

Note on test validity: the mass loss values meet the validity criteria of the test

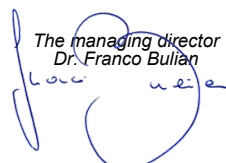
Table 2

Moisture content of the test specimens after exposure to the fungi (% m/m)

<i>Coniophora puteana</i>		<i>Rhodonia placenta</i>	
mean	39,12	mean	76,60
lowest	29,45	lowest	26,74
highest	59,37	highest	129,94

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Table 3

Percentage mass loss of the test specimens (% m/m)

<i>Coniophora puteana</i>		<i>Rhodonía placenta</i>	
1	0,10	1	15,40
2	0,16	2	-0,35
3	-0,05	3	1,57
4	-0,47	4	0,63
5	0,70	5	13,93
6	-0,66	6	-1,64
7	0,75	7	-0,40
8	-0,10	8	0,99
9	0,19	9	-0,45
10	0,75	10	3,16
11	0,62	11	3,65
12	0,30	12	-0,65
13	1,23	13	-0,51
14	-0,74	14	-0,05
15	-0,08	15	-0,90
16	-0,70	16	8,00
17	-0,30	17	6,67
18	0,61	18	5,54
19	-0,73	19	1,06
20	-1,09	20	0,03
21	-0,04	21	-0,56
22	0,03	22	2,54
23	-0,22	23	4,05
24	0,78	24	0,13
25	0,12	25	7,73
26	0,63	26	0,50
27	-0,65	27	-0,41
28	0,11	28	0,11
29	0,79	29	1,05
30	0,14	30	5,29
median	0,11	median	0,81

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