

TEST REPORT

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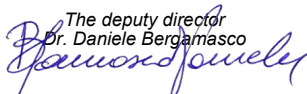
Revision: 0
Date of sample receipt: 19/07/23
Date of test: 24/07/23
Date of issue: 23/01/24
Sample name: Pine

THERMOARENA OU
FARMI TEE 5
72501 KOIGI KULA, JARVA MAAKOND
EE - ESTONIA

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

Timber species:	not determined
Origin:	not determined
Description of timber:	heat treated wood blocks
% earlywood in growth ring	not determined
Sampling:	carried out by the orderer
Density of timber:	390 kg/mc
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 02/10/2023 to 22/01/2024
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:	DC 1, 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 deputy director
Dr. Daniele Bergamasco


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Table 1

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

Pinus sylvestris with Coniophora puteana		Pinus sylvestris with Rhodonia placenta	
1	28,27	1	30,84
2	37,86	2	20,52
3	27,03	3	23,87
4	41,74	4	25,60
5	24,84	5	33,14
6	22,54	6	23,21
7	25,40	7	21,43
8	25,13	8	21,82
9	25,25	9	31,26
10	44,03	10	27,62
mean	30,21	mean	25,93

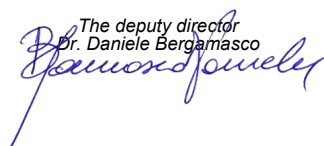
Note on test validity: the mass loss values meet the validity criteria of the test

Table 2

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

Coniophora puteana		Rhodonia placenta	
mean	58	mean	73
lowest	27	lowest	20
highest	118	highest	112

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Table 3

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

Coniophora puteana		Rhodonia placenta	
1	0,42	1	1,18
2	0,82	2	-1,35
3	0,88	3	-1,97
4	0,60	4	1,29
5	0,78	5	-0,25
6	0,71	6	1,05
7	-0,52	7	-0,68
8	0,64	8	0,29
9	0,49	9	1,11
10	0,74	10	0,29
11	-0,20	11	-0,62
12	1,04	12	1,30
13	-0,03	13	-0,71
14	0,68	14	0,66
15	2,01	15	0,60
16	0,55	16	-0,16
17	0,15	17	0,71
18	0,71	18	0,13
19	0,39	19	-1,53
20	0,96	20	-0,30
21	0,56	21	-1,52
22	0,35	22	0,07
23	0,67	23	-0,18
24	0,80	24	1,17
25	0,48	25	-0,06
26	0,37	26	-0,19
27	0,30	27	-0,78
28	0,87	28	2,45
29	0,51	29	1,27
30	-0,39	30	0,11
median	0,62	median	0,13

Note: waterlogging was observed in specimens marked in red. The corresponding mass losses were not used for the median calculation

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