

**TEST REPORT**

**353135 / 1**


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

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:	323 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; Trametes versicolor DSM 3086
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		Fagus sylvatica with Trametes versicolor	
1	28,27	1	30,66
2	37,88	2	30,86
3	27,02	3	32,40
4	41,72	4	30,92
5	24,82	5	31,11
6	22,51	6	26,47
7	25,42	7	27,68
8	25,14	8	32,53
9	25,24	9	32,66
10	44,01	10	27,11
mean	30,20	mean	30,24

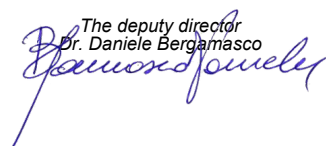
Note on test validity: the mass loss values meet the validity criteria of the test

**Table 2**

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

Coniophora puteana		Trametes versicolor	
mean	85	mean	103
lowest	28	lowest	25
highest	97	highest	185

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**Table 3**

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

Coniophora puteana		Trametes versicolor	
1	0,05	1	-0,07
2	-1,41	2	9,14
3	0,08	3	3,87
4	-0,66	4	4,42
5	1,06	5	2,63
6	0,40	6	0,92
7	1,74	7	4,73
8	0,18	8	4,43
9	0,07	9	6,89
10	0,27	10	3,22
11	0,69	11	2,08
12	0,83	12	0,00
13	0,58	13	0,14
14	0,90	14	0,43
15	0,66	15	0,98
16	0,20	16	0,92
17	1,03	17	2,89
18	1,85	18	3,09
19	0,72	19	13,20
20	0,44	20	4,09
21	0,35	21	0,74
22	0,98	22	0,26
23	0,86	23	5,02
24	0,09	24	8,69
25	0,17	25	0,09
26	-0,55	26	1,23
27	0,07	27	2,45
28	0,26	28	1,16
29	-0,19	29	2,01
30	-1,10	30	2,37
median	0,35	median	2,41

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

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