CATAS S.p.A.
via Antica, 24/3
33048 San Giovanni al Natisone (UD)
+39 0432 747211 - lab@catas.com
www.catas.com

Testing site:
via Antica, 24/3
33048 San Giovanni al Natisone (UD)
tel. +39 0432 747211
lab@catas.com

TEST REPORT
301604 / 1

Revision:	0
Date of receipt:	30/11/20
Date of test:	16/12/20
Date of issue:	31/05/21
Sample name:	TP1

TAMMISTON PUU OY
YLANEENTIE 183
27600 EURA
FI - FINLAND

Natural durability of solid wood against wood-destroying fungi - Part 1: Basidiomycetes UNI CEN/TS 15083-1:2005

Timber species:	treated softwood
Origin:	not specified
Description of timber:	not applicable
90% earlywood in growth ring	not applicable
Sampling:	done by the orderer
Density of timber:	720 kg/m
Reference timber species:	Pinus sylvatica sapwood
Ageing procedure applied:	leaching according to EN 84
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:	4 weeks from 01/22/2021 to 24/05/2021
Mean mass loss of reference timber:	see Table 1
Median mass loss of test timber:	see Table 2
Provisional durability class according to this standard:	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.

This test report is part of a PDF file digitally signed by Daniele Bergamasco on 31/05/21.

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	31,48	1	34,6
2	30,44	2	21,88
3	29,23	3	29,93
4	33,35	4	31,46
5	27,77	5	31,11
6	35,02	6	31,76
7	35,7	7	36,89
8	24,94	8	33,41
9	30,04	9	24,97
10	24,4	10	29,28
mean	30,24	mean	30,53

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	60,23	mean	83,42
lowest	38,73	lowest	21,14
highest	93,96	highest	140,72

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Table 3

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

Coniophora puteana			Rhodonia placenta		
specimen	mass loss	corr. mass loss	specimen	mass loss	corr. mass loss
1	4,63	-1,21	31	4,22	-1,62
2	3,69	-2,15	32	2,68	-3,16
3	4,91	-0,93	33	2,74	-3,1
4	4,7	-1,14	34	4,88	-0,96
5	5,79	-0,05	35	4,24	-1,6
6	6,39	0,55	36	5,43	-0,41
7	5,13	-0,71	37	3,36	-2,48
8	3,07	-2,77	38	5,32	-0,52
9	4,28	-1,56	39	2,96	-2,88
10	3,06	-2,78	40	5,39	-0,45
11	4,93	-0,91	41	3,23	-2,61
12	5,4	-0,44	42	4,49	-1,35
13	5,09	-0,75	43	6,13	0,29
14	5,54	-0,3	44	4,22	-1,62
15	7,25	1,41	45	4,84	-1
16	2,79	-3,05	46	5,59	-0,25
17	4,7	-1,14	47	4,02	-1,82
18	4,58	-1,26	48	4,19	-1,65
19	4,08	-1,76	49	5,33	-0,51
20	3,79	-2,05	50	5,36	-0,48
21	3,41	-2,43	51	3,32	-2,52
22	6,14	0,3	52	4,9	-0,94
23	4,54	-1,3	53	3,05	-2,79
24	5,63	-0,21	54	5,81	-0,03
25	3,94	-1,9	55	3,8	-2,04
26	2,98	-2,86	56	3,99	-1,85
27	7,12	1,28	57	3,21	-2,63
28	6,25	0,41	58	4,27	-1,57
29	4,27	-1,57	59	4,37	-1,47
30	5,31	-0,53	60	3,4	-2,44
median	4,7	-1,14	median	4,23	-1,61

The correction coefficient (CF) was calculated as the mass loss of the reference test specimens after leaching. CF = 5,84

Corrected mass loss values were obtained by adding the CF to the mass loss values.

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