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TEST REPORT 307874 / 1

Revision: 0
Date of receipt: 08/03/21
Date of test: 29/03/21
Date of issue: 06/09/21
Sample name: Thermory ash

Durability of wood. Assessment of inherent or enhanced durability against wood-destroying basidiomycetes EN 113-2:2020

Timber species:	heat treated ash (as declared by the orderer)
Origin:	not specified
Description of timber:	not applicable
Sampling:	done by the orderer
Density of timber:	689 kg/m ³
Reference timber species:	Pinus sylvestris; Fagus sylvatica
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 11/05/2021 to 31/08/2021
Mean mass loss of reference timber:	see Table 1
Median mass loss of test timber:	see Table 3
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.

This test report is part of a PDF file digitally signed by Franco Bullian on 07/09/21.

The managing director
Dr. Franco Bullian

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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	28,40	1	28,73
2	29,19	2	27,69
3	26,18	3	19,64
4	32,49	4	24,70
5	32,98	5	24,46
6	27,30	6	25,63
7	28,66	7	19,73
8	25,93	8	30,19
9	34,51	9	20,69
10	32,01	10	23,98
mean	29,76	mean	24,54

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	33,80	mean	35,87
lowest	25,3	lowest	20,72
highest	47,97	highest	59,75

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Table 3

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

Coniophora puteana		Trametes versicolor	
1	-0,40	1	-0,40
2	0,77	2	0,77
3	-0,16	3	-0,16
4	-0,24	4	-0,24
5	-0,32	5	-0,32
6	0,16	6	0,16
7	0,23	7	0,23
8	0,30	8	0,30
9	-0,08	9	-0,08
10	0,55	10	0,55
11	-0,49	11	-0,49
12	0,96	12	0,96
13	0,09	13	0,09
14	0,88	14	0,88
15	0,31	15	0,31
16	1,20	16	1,20
17	-0,48	17	-0,48
18	0,00	18	0,00
19	0,87	19	0,87
20	-0,08	20	-0,08
21	0,07	21	0,07
22	0,43	22	0,43
23	-0,66	23	-0,66
24	-0,08	24	-0,08
25	-0,65	25	-0,65
26	-0,08	26	-0,08
27	0,24	27	0,24
28	0,26	28	0,26
29	0,00	29	0,00
30	0,86	30	0,86
median	0,08	median	0,93

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