

TEST REPORT

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Revision: 1
Date of receipt: 08/03/21
Date of test: 29/03/21
Date of issue: 02/12/21

Sample name: Thermory ash

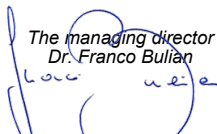
THERMORY AS
LOOTSA 1A
11415 TALLINN
EE - ESTONIA

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 document replaces the previous one with revision number 0 and with date of issue 06/09/21. Applied changes: reporting of data (changes are underlined) due to a CATAS error.

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The managing director
Dr. Franco Bulian


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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

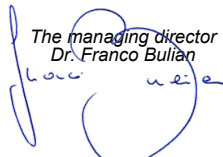
Table 2

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	<u>0,32</u>
2	0,77	2	<u>1,70</u>
3	-0,16	3	<u>-0,24</u>
4	-0,24	4	<u>0,31</u>
5	-0,32	5	<u>1,47</u>
6	0,16	6	<u>0,42</u>
7	0,23	7	<u>0,42</u>
8	0,30	8	<u>1,30</u>
9	-0,08	9	<u>1,12</u>
10	0,55	10	<u>1,43</u>
11	-0,49	11	<u>0,95</u>
12	0,96	12	<u>1,02</u>
13	0,09	13	<u>0,00</u>
14	0,88	14	<u>0,93</u>
15	0,31	15	<u>0,34</u>
16	1,20	16	<u>1,06</u>
17	-0,48	17	<u>-0,08</u>
18	0,00	18	<u>0,25</u>
19	0,87	19	<u>0,43</u>
20	-0,08	20	<u>0,93</u>
21	0,07	21	<u>0,39</u>
22	0,43	22	<u>-0,08</u>
23	-0,66	23	<u>2,33</u>
24	-0,08	24	<u>1,33</u>
25	-0,65	25	<u>0,96</u>
26	-0,08	26	<u>1,77</u>
27	0,24	27	<u>0,77</u>
28	0,26	28	<u>2,84</u>
29	0,00	29	<u>0,16</u>
30	0,86	30	<u>5,64</u>
median	0,08	median	0,93

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