

Test Results | THERMORY[®] Spruce **Rot Resistance**

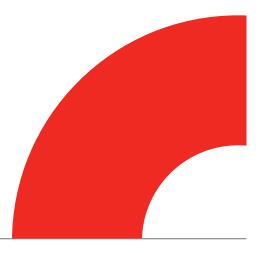
Rot Resistance

TESTED

► Fungus spores were introduced to THERMORY[®] Spruce samples to promote fungal growth over a period of time with control samples, to interpolate the class of rot resistance for European standards.

RESULTS

▶ We achieved Class 1 rot resistance which means that on average, the THERMORY® Spruce cladding or decking will last outdoors for at least 25 years or more with minimal maintenance or added oils.





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TEST RE 13264		BRENSTOL OU		
Date received: Date of test: Date of issue:	29-09-11 29-09-11 06-03-12	PETERBURI RD 44 11415 TALLINN EE - ESTONIA		
Sample name:	NORDIC SPRU	E HEAT TREATED 215°C		

Timber species: Origin: Sampling: Density of timber: Reference timber species: Ageing procedure applied: Method of sterilisatione: Species and strain number of test fungi:

Duration of exposure to fungi: Mass loss of reference timber: Moisture content of test timber Mass loss of test timber: Provisional durability rating:

Deviations from the standard:

Officer in charge of testing: Note:

heat treated nordic spruce unknown done by the orderer 461 kg/m3 Pinus sylvestris (scots pine sapwood); none gamma irradiation Coniophora puteana DSM 3085 Poria placenta DSM 3088 16 weeks from 27/10/2011 to 27/02/2012 see Table 1 see Table 2 see Table 3 1, very durable the test was performed on treated wood; sampling of wood was done by the orderer

Alessia Matellon

The interpretation and practical conclusions that can be drawn from this test report require a specific knowledge of timber.

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arlaging Director Andrea Giavon

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer. pag. 1/3



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TEST REPORT Date of issue: Sample name:

132648/1 06/03/12 NORDIC SPRUCE HEAT TREATED 215°C

Pinus sylvestris vith Coniophora	mass loss (%)	Pinus sylvestris with Poria placenta	mass loss (%)
1	35,40	1	21,20
2	33,50	2	27,90
3	32,90	3	24,40
4	30,10	4	14,70
5	25,40	5	16,60
6	32,70	6	23,70
7	23,30	7	15,50
8	30,60	8	21,10
9	28,90	9	15,80
10	25,40	10	21,90
media	29,80	media	20,30

Note: test valid

Table 2

Moisture content of test wood specimens exposed to fungi

with Coniophora puteana	humidity (%) mean / lowest / highest	with Poria placenta	humidity (%) mean / lowest / highest
10 specimens	21,4 / 8,2 / 56,6	10 specimens	29,0 / 7,4 / 88,3

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TEST REPORT Date of issue: Sample name:

06/03/12 NORDIC SPRUCE HEAT TREATED 215°C

with Coniophora puteana	mass loss (%)	with Poria placenta	mass loss (%)
1	1,00	1	11,20
2	5,70	2	9,50
3	5,70	3	24,80
4	2,70	4	16,30
5	0,80	5	3,10
6	5,00	6	1,50
7	1,40	7	0,70
8	1,40	8	8,10
9	0,90	9	0,00
10	3,60	10	3,90
11	7,60	11	8,00
12	10,50	12	10,50
13	2,10	13	-1,70
14	1,00	14	-1,50
15	0,60	15	9,30
16	-0,30	16	1,50
17	3,70	17	0,10
18	0,10	18	5,80
19	1,70	19	9,50
20	3,30	20	2,90
21	4,00	21	4,50
22	3,10	22	3,50
23	-1,30	23	6,80
24	11,30	24	3,20
25	4,90	25	4,60
26	9,40	26	18,70
27	5,10	27	10,80
28	-0,80	28	6,40
29	4,00	29	1,80
30	1,30	30	13,80
median	2,90	median	5,20

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