

T E S T C E R T I F I C A T E

BT-14-11-28-1


Client: Drevit Ltd, 9 Lesozavodskaya str., Perm City, The Russian Federation
Task: Test of timber modified by wax impregnation to its durability against wood decaying fungi (basidiomycetes)
Test material: Drevit PV
Reference material: European beech (*Fagus sylvatica* L.), Scots pine sapwood (*Pinus sylvestris* L.)
Standard: According to CEN/TS 15083-1:2005
Test fungi: *Coniophora puteana* (Schumacher ex Fries), Karsten, strain BAM
Ebw. 15 = DSM 3085
Coriolus versicolor (Linnaeus) Quelet, strain CTB 863A, syn. *Trametes versicolor*
Replicates: 36 specimens for each test fungus, 4 specimens from each board
Specimens: (50x25x 15) mm³
Oven-drying procedure: A constant weight was achieved after 9 days at 45 °C.
Leaching procedure: According to DIN EN 84:1997-05 (13-27/03/2014)
Sterilisation: Irradiation (Co-60), > 25 kGy
Duration of the test: 16 weeks
Inoculation date: 17/04/2014
Emplacement date: 30/04/2014 *Coriolus versicolor*, 15/05/2014 *Coniophora puteana*
Removal date: 20/08/2014 *Coriolus versicolor*, 03/09/2014 *Coniophora puteana*
Virulence of the test fungi: *Coniophora puteana* on pine sapwood: 30.3 %
(Mean mass loss) *Coniophora puteana* on beech: 33.1 %
Coriolus versicolor on beech: 35.5 %
The test was valid.
Decay of the test material: *Coniophora puteana*: 3.7 % median mass loss
Coriolus versicolor: 2.8 % median mass loss
Durability class*: 1 (very durable)

*) Preliminary allocation according to the proposal of CEN/TS 15083-1:2005

Durability class	1	2	3	4	5
Description	very durable	durable	moderately durable	slightly durable	not durable
Median mass loss	<5%	>5%<10%	>10%<15%	>15%<30%	>30%

The basis for the Classification is the result of that fungus, which caused the highest mass loss.

Dresden, 28/11/14



Head of laboratory




Engineer in charge

