

Testing task and Services of the Biological Test Laboratory

Test methods, on which the biological laboratory is accredited according to DIN EN ISO/IEC 17025:2018:

Testing* ¹	Explanation of the method
DIN EN 113-1	Durability of wood and wood-based products – Test method against wood destroying Basidiomycetes – Part 1: Assessment of biocidal efficacy of wood preservatives
DIN V ENV 807	Wood preservatives – Determination of the effectiveness against soft rotting micro-fungi and other soil inhabiting micro-organisms
DIN V ENV 12038	Durability of wood and wood-based products – Wood-based panels – Method of test for determining the resistance against wood-destroying Basidiomycetes
DIN EN 252	Field test method for determining the relative protective effectiveness of a wood preservative in ground contact
DIN CEN/TS 15082	Wood preservatives – Determination of the preventive effectiveness against sapstain fungi and mould fungi on freshly sawn timber – Field test
DIN EN 84	Durability of wood and wood-based products – Accelerated ageing of treated wood prior to biological testing – Leaching procedure
DIN EN 73	Durability of wood and wood-based products – Accelerated ageing of treated wood prior to biological testing – Evaporative ageing procedure
DIN EN 117	Wood preservatives – Determination of toxic values against Reticulitermes species (European termites) (Laboratory method)
DIN EN 118	Wood preservatives – Determination of preventive action against Reticulitermes species (European termites) (Laboratory method)
AWPA E1	Laboratory Method for Evaluation the Termite Resistance of Wood-Based Materials: Choice and No-Choice Tests
AWPA E24	Laboratory Method for Evaluating the Mold Resistance of Wood-Based Materials: Mold Chamber Test

*1 newest versions

In-house test methods (non-accredited testing):

Testing	Explanation of the method
Screening EN 113	In-house method for determination of the effectiveness of substances or formulations against Basidiomycetes (Laboratory testing) – limit value assessment
Screening II	In-house method for examination and visualization of the penetration depth of active ingredients
Penetration-screening	In-house method – fast penetration test to verify the effectiveness of formulations against Basidiomycetes (Laboratory testing)
AWPA E10	Laboratory Method for Evaluation the Decay Resistance of Wood-Based Materials against pure basidiomycete Cultures: Soil/Block Test
DIN EN 152	Wood preservatives – Determination of the protective effectiveness of a preservative treatment against blue stain in wood in service – Laboratory method
Tub Mold Testing	In-house method for determination of the effectiveness or resistance of materials against mold and/or blue stain
MHK Ascomyceten	In-house method for determination of the minimum inhibitory concentration (MHK) of preservative treatments against Ascomyceten (A-fungi)
MHK Basidiomyceten	In-house method for determination of the minimum inhibitory concentration (MHK) of preservative treatments against Basidiomyceten (B-fungi)
MHK liquid Systems	In-house method for determination of the minimum inhibitory concentration of formulations or products against Ascomyceten in liquid systems
Storage rot fungi	In-house method for determination of the effectiveness of formulations or products against <i>Stereum</i> species in laboratory testing
Mold – Wood stack (small)	In-house method for determination of the mold effectiveness

Further Services of the Biological Test Laboratory:

- Fungi determination (mold, brown rot, white rot, soft rot)
- Determination of types of wood (European timbers)
- Evaluation of discoloration at wood samples
- Microscopic analysis of microbial contamination in liquids or suspensions
- Monitoring of fungal spores (defined sampling from surrounding air or special environments)